

THE CHARACTER TABLES OF CENTRALIZERS IN WEYL GROUP OF E_8 II

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ABSTRACT. To classify the finite dimensional pointed Hopf algebras with Weyl group G of E_8 , we obtain the representatives of conjugacy classes of G and all character tables of centralizers of these representatives by means of software GAP. In this paper we only list character table 29–46.

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keywords: GAP, Hopf algebra, Weyl group, character.

0. INTRODUCTION

This article is to contribute to the classification of finite-dimensional complex pointed Hopf algebras with Weyl groups of E_8 . Many papers are about the classification of finite dimensional pointed Hopf algebras, for example, [AS98, AS02, AS00, AS05, He06, AHS08, AG03, AFZ, AZ07, Gr00, Fa07, AF06, AF07, ZZC, ZC].

In these research ones need the centralizers and character tables of groups. In this paper we obtain the representatives of conjugacy classes of Weyl groups of E_8 and all character tables of centralizers of these representatives by means of software GAP. In this paper we only list character table 29–46.

By the Cartan-Killing classification of simple Lie algebras over complex field the Weyl groups to be considered are $W(A_l), (l \geq 1)$; $W(B_l), (l \geq 2)$; $W(C_l), (l \geq 2)$; $W(D_l), (l \geq 4)$; $W(E_l), (8 \geq l \geq 6)$; $W(F_4), (l = 4)$; $W(G_2), (l = 2)$.

It is otherwise desirable to do this in view of the importance of Weyl groups in the theories of Lie groups, Lie algebras and algebraic groups. For example, the irreducible representations of Weyl groups were obtained by Frobenius, Schur and Young. The conjugacy classes of $W(F_4)$ were obtained by Wall [Wa63] and its character tables were obtained by Kondo [Ko65]. The conjugacy classes and character tables of $W(E_6)$, $W(E_7)$ and $W(E_8)$ were obtained by Frame [Fr51]. Carter gave a unified description of the conjugacy classes of Weyl groups of simple Lie algebras [Ca72].

1. PROGRAM

By using the following program in GAP, we obtain the representatives of conjugacy classes of Weyl groups of E_6 and all character tables of centralizers of these representatives.

```
gap> L:=SimpleLieAlgebra("E",6,Rationals);;
gap> R:=RootSystem(L);;
gap> W:=WeylGroup(R);Display(Order(W));
gap > ccl:=ConjugacyClasses(W);;
gap> q:=NrConjugacyClasses(W);; Display (q);
gap> for i in [1..q] do
> r:=Order(Representative(ccl[i]));Display(r);;
> od; gap
> s1:=Representative(ccl[1]);cen1:=Centralizer(W,s1);;
gap> cl1:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[2]);cen1:=Centralizer(W,s1);;
gap> cl2:=ConjugacyClasses(cen1);
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gap> s1:=Representative(ccl[3]);cen1:=Centralizer(W,s1);;
gap> cl3:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[4]);cen1:=Centralizer(W,s1);;
gap> cl4:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[5]);cen1:=Centralizer(W,s1);;
gap> cl5:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[6]);cen1:=Centralizer(W,s1);;
gap> cl6:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[7]);cen1:=Centralizer(W,s1);;
gap> cl7:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[8]);cen1:=Centralizer(W,s1);;
gap> cl8:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[9]);cen1:=Centralizer(W,s1);;
gap> cl9:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[10]);cen1:=Centralizer(W,s1);;
gap> cl10:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[11]);cen1:=Centralizer(W,s1);;
gap> cl11:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[12]);cen1:=Centralizer(W,s1);;
gap> cl12:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[13]);cen1:=Centralizer(W,s1);;
gap> cl13:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[14]);cen1:=Centralizer(W,s1);;
gap> cl14:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[15]);cen1:=Centralizer(W,s1);;
gap> cl15:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[16]);cen1:=Centralizer(W,s1);;
gap> cl16:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[17]);cen1:=Centralizer(W,s1);;
gap> cl17:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[18]);cen1:=Centralizer(W,s1);;
gap> cl18:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[19]);cen1:=Centralizer(W,s1);;
gap> cl19:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[20]);cen1:=Centralizer(W,s1);;
gap> cl20:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[21]);cen1:=Centralizer(W,s1);;
gap> cl21:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[22]);cen1:=Centralizer(W,s1);;
gap> cl22:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[23]);cen1:=Centralizer(W,s1);;
gap> cl23:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[24]);cen1:=Centralizer(W,s1);;
> cl24:=ConjugacyClasses(cen1);
gap> s1:=Representative(ccl[25]);cen1:=Centralizer(W,s1);;

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gap> cl25:=ConjugacyClasses(cen1);
gap> for i in [1..q] do
> s:=Representative(ccl[i]);cen:=Centralizer(W,s);
> char:=CharacterTable(cen);Display (cen);Display(char);
> od;

```

The programs for Weyl groups of E_7 , E_8 , F_4 and G_2 are similar.

2. E_8

In this section G denotes the Weyl group W_{E_8} of E_8 . It is clear that G is a sub-group of general linear group $GL(8, \mathbb{C})$, where \mathbb{C} denotes the complex field.

The generators of $G^{s_{29}}$ are:

$$\begin{pmatrix} 0 & 0 & -1 & 0 & 1 & 0 & 1 & -2 \\ 1 & -1 & -1 & 0 & 1 & 0 & 2 & -3 \\ 0 & -1 & -1 & 0 & 1 & 1 & 2 & -4 \\ 1 & -1 & -2 & 0 & 1 & 1 & 4 & -6 \\ 1 & -1 & -2 & 1 & 0 & 1 & 3 & -5 \\ 0 & -1 & -1 & 1 & 0 & 0 & 3 & -4 \\ 0 & 0 & 0 & 0 & 0 & 0 & 2 & -3 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & -2 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & -1 \\ 0 & 0 & 0 & 1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 0 & 1 & -1 & 0 & 1 & -1 \\ 0 & 0 & 0 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & -2 & 2 \\ 0 & 1 & 0 & 0 & 0 & 0 & -3 & 3 \\ 0 & 0 & 1 & 0 & 0 & 0 & -4 & 4 \\ 0 & 0 & 0 & 1 & 0 & 0 & -6 & 6 \\ 0 & 0 & 0 & 0 & 1 & 0 & -5 & 5 \\ 0 & 0 & 0 & 0 & 0 & 1 & -4 & 4 \\ 0 & 0 & 0 & 0 & 0 & 0 & -2 & 3 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 2 \end{pmatrix}, \\
\begin{pmatrix} -1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 1 & 1 & -1 & 1 & 0 & 0 \\ 0 & -1 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & -1 & 0 & 1 & 0 & -1 \\ 0 & 2 & 0 & -1 & 0 & 1 & 0 & -1 \\ 0 & 2 & 1 & -2 & 0 & 2 & 0 & -2 \\ 0 & 3 & 0 & -2 & 0 & 3 & 0 & -3 \\ 0 & 2 & 0 & -2 & 1 & 2 & 0 & -2 \\ 0 & 1 & 0 & -1 & 0 & 2 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & -1 & 0 & 0 & 1 & 0 \\ 0 & 2 & 0 & -1 & 0 & 0 & 1 & 0 \\ 0 & 2 & 1 & -2 & 0 & 0 & 2 & 0 \\ 0 & 3 & 1 & -3 & 1 & 0 & 2 & 0 \\ 0 & 2 & 1 & -2 & 1 & -1 & 2 & 0 \\ 0 & 1 & 1 & -1 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} 1 & -1 & 0 & 0 & 1 & -1 & 1 & -1 \\ 0 & -1 & 0 & 0 & 2 & -2 & 2 & -2 \\ 0 & -2 & 1 & 0 & 2 & -2 & 2 & -2 \\ 0 & -3 & 0 & 1 & 3 & -3 & 3 & -3 \\ 0 & -2 & 0 & 0 & 3 & -2 & 2 & -2 \\ 0 & -2 & 0 & 0 & 2 & -1 & 2 & -2 \\ 0 & -1 & 0 & 0 & 1 & -1 & 2 & -1 \\ 0 & -1 & 0 & 0 & 1 & -1 & 1 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 0 & 0 & 0 & 0 & 0 & -1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ -1 & 1 & 1 & 0 & 0 & 0 & 0 & -1 \\ -1 & 1 & 0 & 1 & 0 & 0 & 0 & -1 \\ -1 & 1 & 0 & 0 & 1 & 0 & 0 & -1 \\ -1 & 1 & 0 & 0 & 0 & 1 & 0 & -1 \\ -1 & 1 & 0 & 0 & 0 & 0 & 1 & -1 \\ -1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{29}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & -1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 1 & -1 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & -1 & 2 & -2 & 0 & 2 & 0 \\ 0 & 1 & -1 & 2 & -2 & -1 & 3 & 0 \\ 0 & 1 & -1 & 1 & -1 & -1 & 3 & 0 \\ 0 & 1 & 0 & 0 & -1 & 0 & 2 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & 0 & -1 & 0 & 1 & 0 & 1 & -2 \\ 1 & -1 & -1 & 0 & 1 & 0 & 2 & -3 \\ 0 & -1 & -1 & 0 & 1 & 1 & 2 & -4 \\ 1 & -1 & -2 & 0 & 1 & 1 & 4 & -6 \\ 1 & -1 & -2 & 1 & 0 & 1 & 3 & -5 \\ 0 & -1 & -1 & 1 & 0 & 0 & 3 & -4 \\ 0 & 0 & 0 & 0 & 0 & 0 & 2 & -3 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & -2 \end{pmatrix},$$

[illegible]

[illegible]

[illegible]

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(46)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(47)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(48)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(49)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(50)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(51)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(52)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(53)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(54)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(55)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(56)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(57)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(58)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(59)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(60)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(61)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(62)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(63)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(64)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(65)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 |
| $\chi_{29}^{(66)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -1 |
| $\chi_{29}^{(67)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 |
| $\chi_{29}^{(68)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 1 |
| $\chi_{29}^{(69)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 |
| $\chi_{29}^{(70)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 1 |
| $\chi_{29}^{(71)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 |
| $\chi_{29}^{(72)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -1 |
| $\chi_{29}^{(73)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 1 |
| $\chi_{29}^{(74)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 |
| $\chi_{29}^{(75)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -1 |
| $\chi_{29}^{(76)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 |
| $\chi_{29}^{(77)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -1 |
| $\chi_{29}^{(78)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 |
| $\chi_{29}^{(79)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 1 |
| $\chi_{29}^{(80)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 |
| $\chi_{29}^{(81)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | -1 |
| $\chi_{29}^{(82)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -1 |
| $\chi_{29}^{(83)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | 1 |
| $\chi_{29}^{(84)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | 1 |
| $\chi_{29}^{(85)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | 1 |
| $\chi_{29}^{(86)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | 1 |
| $\chi_{29}^{(87)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | -1 |
| $\chi_{29}^{(88)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -1 |
| $\chi_{29}^{(89)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | A | -A | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | 1 |
| $\chi_{29}^{(90)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | -A | A | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | 1 |

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|---------------------|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| $\chi_{29}^{(91)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | |
| $\chi_{29}^{(92)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | |
| $\chi_{29}^{(93)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | |
| $\chi_{29}^{(94)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | |
| $\chi_{29}^{(95)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | |
| $\chi_{29}^{(96)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | |
| $\chi_{29}^{(97)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(98)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(99)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(100)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(101)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(102)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(103)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(104)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(105)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(106)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(107)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(108)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(109)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(110)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(111)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(112)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(113)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(114)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(115)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(116)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(117)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(118)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(119)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(120)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(121)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(122)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . |
| $\chi_{29}^{(123)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(124)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | . |
| $\chi_{29}^{(125)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(126)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . |
| $\chi_{29}^{(127)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(128)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | . |
| $\chi_{29}^{(129)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -3 | 3 | -C | C | 1 | -1 | -A | A | . |
| $\chi_{29}^{(130)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -3 | 3 | C | -C | 1 | -1 | A | -A | . |
| $\chi_{29}^{(131)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | 1 | -1 | -A | A | . |
| $\chi_{29}^{(132)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | 1 | -1 | A | -A | . |
| $\chi_{29}^{(133)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | -1 | 1 | A | -A | . |
| $\chi_{29}^{(134)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | -1 | 1 | -A | A | . |
| $\chi_{29}^{(135)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 3 | -3 | C | -C | -1 | 1 | A | -A | . |

| | 10 | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| $\chi_{29}^{(136)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(137)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(138)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(139)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(140)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(141)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(142)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(143)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(144)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(145)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(146)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(147)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(148)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(149)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(150)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(151)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(152)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(153)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(154)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(155)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -3 | 3 | C | -C | 1 | -1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(156)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -3 | 3 | -C | C | 1 | -1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(157)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(158)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(159)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | -1 | 1 | -A | A | . | | | | | | | | | | | | | |
| $\chi_{29}^{(160)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | -1 | 1 | A | -A | . | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | |
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(2)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(3)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(4)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(5)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(6)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(7)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(8)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(9)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(10)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(11)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(12)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(13)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(14)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |
| $\chi_{29}^{(15)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | | | | | | | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| $\chi_{29}^{(16)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(17)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(18)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(19)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(20)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(21)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(22)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(23)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(24)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(25)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(28)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(29)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(30)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(31)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(32)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(33)}$ | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(34)}$ | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(35)}$ | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(36)}$ | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(37)}$ | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(38)}$ | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(39)}$ | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(40)}$ | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(41)}$ | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(42)}$ | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(43)}$ | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(44)}$ | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(45)}$ | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(46)}$ | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(47)}$ | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(48)}$ | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(49)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(50)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(51)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(52)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(53)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(54)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(55)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | 1 | |
| $\chi_{29}^{(56)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | 1 | |
| $\chi_{29}^{(57)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(58)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(59)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(60)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| $\chi_{29}^{(61)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | | |
| $\chi_{29}^{(62)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | | |
| $\chi_{29}^{(63)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | | |
| $\chi_{29}^{(64)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | | |
| $\chi_{29}^{(65)}$ | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(66)}$ | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(67)}$ | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(68)}$ | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(69)}$ | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(70)}$ | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(71)}$ | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(72)}$ | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(73)}$ | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(74)}$ | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(75)}$ | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(76)}$ | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(77)}$ | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(78)}$ | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(79)}$ | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | | |
| $\chi_{29}^{(80)}$ | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | | |
| $\chi_{29}^{(81)}$ | 1 | -A | A | . | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(82)}$ | 1 | A | -A | . | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(83)}$ | -1 | A | -A | . | . | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(84)}$ | -1 | -A | A | . | . | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(85)}$ | -1 | A | -A | . | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(86)}$ | -1 | -A | A | . | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(87)}$ | 1 | -A | A | . | . | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(88)}$ | 1 | A | -A | . | . | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(89)}$ | -1 | -A | A | . | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(90)}$ | -1 | A | -A | . | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(91)}$ | 1 | A | -A | . | . | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(92)}$ | 1 | -A | A | . | . | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(93)}$ | 1 | A | -A | . | . | . | . | . | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(94)}$ | 1 | -A | A | . | . | . | . | . | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(95)}$ | -1 | -A | A | . | . | . | . | . | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | | |
| $\chi_{29}^{(96)}$ | -1 | A | -A | . | . | . | . | . | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | | |
| $\chi_{29}^{(97)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{29}^{(98)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | | |
| $\chi_{29}^{(99)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | | |
| $\chi_{29}^{(100)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | | |
| $\chi_{29}^{(101)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | | |
| $\chi_{29}^{(102)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{29}^{(103)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | | |
| $\chi_{29}^{(104)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | | |
| $\chi_{29}^{(105)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | | |

| | 30 | 40 | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | |
|---------------------|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|----|----|----|----|----|--|
| $\chi_{29}^{(106)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(107)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(108)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(109)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(110)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{29}^{(111)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(112)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(113)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(114)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(115)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(116)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{29}^{(117)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(118)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(119)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{29}^{(120)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(121)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(122)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(123)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(124)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{29}^{(125)}$ | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{29}^{(126)}$ | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{29}^{(127)}$ | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{29}^{(128)}$ | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{29}^{(129)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | |
| $\chi_{29}^{(130)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(131)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | |
| $\chi_{29}^{(132)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | |
| $\chi_{29}^{(133)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | |
| $\chi_{29}^{(134)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | |
| $\chi_{29}^{(135)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | |
| $\chi_{29}^{(136)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(137)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | |
| $\chi_{29}^{(138)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(139)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | |
| $\chi_{29}^{(140)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | |
| $\chi_{29}^{(141)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | |
| $\chi_{29}^{(142)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | |
| $\chi_{29}^{(143)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | |
| $\chi_{29}^{(144)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(145)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | |
| $\chi_{29}^{(146)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | |
| $\chi_{29}^{(147)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(148)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | |
| $\chi_{29}^{(149)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | |
| $\chi_{29}^{(150)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | |

| | 30 | 40 | | | | | | | | | | 50 | | | | | | | | | | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| $\chi_{29}^{(151)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | | | |
| $\chi_{29}^{(152)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | | | |
| $\chi_{29}^{(153)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | | | |
| $\chi_{29}^{(154)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | | | |
| $\chi_{29}^{(155)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | | | |
| $\chi_{29}^{(156)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | | | |
| $\chi_{29}^{(157)}$ | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | | | |
| $\chi_{29}^{(158)}$ | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | | | |
| $\chi_{29}^{(159)}$ | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | | | |
| $\chi_{29}^{(160)}$ | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | | | |
| | | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(2)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | | | |
| $\chi_{29}^{(3)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(4)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(5)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(6)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(7)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(8)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(9)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(10)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(11)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(12)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | | | |
| $\chi_{29}^{(13)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(14)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(15)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(16)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(17)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(18)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(19)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(20)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(21)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(22)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(23)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(24)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(25)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(26)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(27)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{29}^{(28)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(29)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(30)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{29}^{(31)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | | |
| $\chi_{29}^{(32)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | | | |
| $\chi_{29}^{(33)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | A | | | |
| $\chi_{29}^{(34)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -A | | | |
| $\chi_{29}^{(35)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -A | | | |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|
| $\chi_{29}^{(82)}$ | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(83)}$ | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(84)}$ | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(85)}$ | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(86)}$ | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(87)}$ | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(88)}$ | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(89)}$ | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(90)}$ | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(91)}$ | . | . | . | -2 | 2 | B | -B | -2 | 2 | B | -B | 1 | -1 | -A | A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(92)}$ | . | . | . | -2 | 2 | -B | B | -2 | 2 | -B | B | 1 | -1 | A | -A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(93)}$ | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(94)}$ | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(95)}$ | . | . | . | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | . | B | | | | | |
| $\chi_{29}^{(96)}$ | . | . | . | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | . | -B | | | | | |
| $\chi_{29}^{(97)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(98)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(99)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(100)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(101)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(102)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(103)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(104)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(105)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(106)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(107)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(108)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(109)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(110)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(111)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(112)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(113)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(114)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(115)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(116)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(117)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(118)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(119)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(120)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(121)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(122)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(123)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(124)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(125)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | | | | | | |
| $\chi_{29}^{(126)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | | | | | | |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| $\chi_{29}^{(127)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | | | | | | |
| $\chi_{29}^{(128)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(129)}$ | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(130)}$ | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | A | | | | | | |
| $\chi_{29}^{(131)}$ | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(132)}$ | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | A | | | | | | |
| $\chi_{29}^{(133)}$ | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(134)}$ | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | A | | | | | | |
| $\chi_{29}^{(135)}$ | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(136)}$ | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | A | | | | | | |
| $\chi_{29}^{(137)}$ | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(138)}$ | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | A | | | | | | |
| $\chi_{29}^{(139)}$ | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(140)}$ | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | A | | | | | | |
| $\chi_{29}^{(141)}$ | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(142)}$ | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | A | | | | | | |
| $\chi_{29}^{(143)}$ | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(144)}$ | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | A | | | | | | |
| $\chi_{29}^{(145)}$ | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(146)}$ | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | A | | | | | | |
| $\chi_{29}^{(147)}$ | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(148)}$ | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | A | | | | | | |
| $\chi_{29}^{(149)}$ | 1 | -A | A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(150)}$ | 1 | A | -A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | A | | | | | | |
| $\chi_{29}^{(151)}$ | -1 | A | -A | -1 | 1 | -A | A | 3 | -3 | -C | C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(152)}$ | -1 | -A | A | -1 | 1 | A | -A | 3 | -3 | C | -C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | A | | | | | | |
| $\chi_{29}^{(153)}$ | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(154)}$ | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | A | | | | | | |
| $\chi_{29}^{(155)}$ | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(156)}$ | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | A | | | | | | |
| $\chi_{29}^{(157)}$ | 1 | -A | A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | | | | | | |
| $\chi_{29}^{(158)}$ | 1 | A | -A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | 1 | -1 | -A | A | -1 | 1 | A | -A | A | | | | | | |
| $\chi_{29}^{(159)}$ | -1 | A | -A | 1 | -1 | A | -A | -3 | 3 | C | -C | . | . | . | . | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | | | | | | |
| $\chi_{29}^{(160)}$ | -1 | -A | A | 1 | -1 | -A | A | -3 | 3 | -C | C | . | . | . | . | -1 | 1 | A | -A | 1 | -1 | -A | A | A | | | | | | |
| | 90 | | | | | | | | | | 100 | | | | | | | | | | | | | | | | | | | |
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{29}^{(2)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(3)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{29}^{(4)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(5)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{29}^{(6)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(7)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(8)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(9)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(10)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | |
| $\chi_{29}^{(11)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | |

| | 90 | | | | | | | | | | 100 | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(12)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(13)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(14)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(15)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(16)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(17)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(18)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(19)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(20)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(21)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(22)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(23)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(24)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(25)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(28)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(29)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(30)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(31)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(32)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(33)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 |
| $\chi_{29}^{(34)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 |
| $\chi_{29}^{(35)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 |
| $\chi_{29}^{(36)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 |
| $\chi_{29}^{(37)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 |
| $\chi_{29}^{(38)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 |
| $\chi_{29}^{(39)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 |
| $\chi_{29}^{(40)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 |
| $\chi_{29}^{(41)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 |
| $\chi_{29}^{(42)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(43)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 |
| $\chi_{29}^{(44)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 |
| $\chi_{29}^{(45)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 |
| $\chi_{29}^{(46)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(47)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 |
| $\chi_{29}^{(48)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 |
| $\chi_{29}^{(49)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 |
| $\chi_{29}^{(50)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 |
| $\chi_{29}^{(51)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 |
| $\chi_{29}^{(52)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(53)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 |
| $\chi_{29}^{(54)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 |
| $\chi_{29}^{(55)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 |
| $\chi_{29}^{(56)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(57)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 |

| | 90 | | | | | | | | | | | | 100 | | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|--|
| $\chi_{29}^{(58)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(59)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(60)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(61)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(62)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(63)}$ | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(64)}$ | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(65)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | |
| $\chi_{29}^{(66)}$ | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | |
| $\chi_{29}^{(67)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | |
| $\chi_{29}^{(68)}$ | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | |
| $\chi_{29}^{(69)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | |
| $\chi_{29}^{(70)}$ | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | |
| $\chi_{29}^{(71)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | |
| $\chi_{29}^{(72)}$ | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | |
| $\chi_{29}^{(73)}$ | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | |
| $\chi_{29}^{(74)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | |
| $\chi_{29}^{(75)}$ | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | |
| $\chi_{29}^{(76)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | |
| $\chi_{29}^{(77)}$ | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | |
| $\chi_{29}^{(78)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | |
| $\chi_{29}^{(79)}$ | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | |
| $\chi_{29}^{(80)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | |
| $\chi_{29}^{(81)}$ | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | |
| $\chi_{29}^{(82)}$ | B | -2 | 2 | -B | B | -2 | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | |
| $\chi_{29}^{(83)}$ | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | |
| $\chi_{29}^{(84)}$ | B | -2 | 2 | -B | B | -2 | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | |
| $\chi_{29}^{(85)}$ | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | |
| $\chi_{29}^{(86)}$ | B | -2 | 2 | -B | B | -2 | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | |
| $\chi_{29}^{(87)}$ | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | |
| $\chi_{29}^{(88)}$ | B | -2 | 2 | -B | B | -2 | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | |
| $\chi_{29}^{(89)}$ | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | |
| $\chi_{29}^{(90)}$ | B | 2 | -2 | -B | B | 2 | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | |
| $\chi_{29}^{(91)}$ | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | |
| $\chi_{29}^{(92)}$ | B | 2 | -2 | -B | B | 2 | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | |
| $\chi_{29}^{(93)}$ | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | |
| $\chi_{29}^{(94)}$ | B | 2 | -2 | -B | B | 2 | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | |
| $\chi_{29}^{(95)}$ | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | |
| $\chi_{29}^{(96)}$ | B | 2 | -2 | -B | B | 2 | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | |
| $\chi_{29}^{(97)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(98)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(99)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(100)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(101)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(102)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(103)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| | 90 | | | | | | | | | | | | 100 | | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|---|---|---|---|----|-----|----|----|----|----|----|----|----|----|----|----|--|
| $\chi_{29}^{(104)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(105)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(106)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(107)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(108)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(109)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(110)}$ | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(111)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(112)}$ | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(113)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(114)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(115)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(116)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(117)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(118)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(119)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(120)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(121)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(122)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{29}^{(123)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(124)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{29}^{(125)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(126)}$ | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{29}^{(127)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(128)}$ | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{29}^{(129)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(130)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(131)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(132)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(133)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(134)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(135)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(136)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(137)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(138)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(139)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | |
| $\chi_{29}^{(140)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | |
| $\chi_{29}^{(141)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(142)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(143)}$ | A | -1 | 1 | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(144)}$ | -A | -1 | 1 | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(145)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(146)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(147)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | |
| $\chi_{29}^{(148)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | |
| $\chi_{29}^{(149)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | |

| | 90 | | | | | | | | | | 100 | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(150)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(151)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 |
| $\chi_{29}^{(152)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 |
| $\chi_{29}^{(153)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 |
| $\chi_{29}^{(154)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 |
| $\chi_{29}^{(155)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 |
| $\chi_{29}^{(156)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 |
| $\chi_{29}^{(157)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 |
| $\chi_{29}^{(158)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 |
| $\chi_{29}^{(159)}$ | A | 1 | -1 | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 |
| $\chi_{29}^{(160)}$ | -A | 1 | -1 | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 |
| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(2)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(3)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(4)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(5)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(6)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(7)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(8)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(9)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(10)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(11)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(12)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(13)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(14)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(15)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(16)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{29}^{(17)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{29}^{(18)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(19)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(20)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(21)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(22)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(23)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(24)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(25)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(26)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(29)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(30)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(31)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(32)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(33)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(34)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(35)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(36)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(37)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(38)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(39)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(40)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(41)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(42)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(43)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(44)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(45)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(46)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(47)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(48)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(49)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(50)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(51)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(52)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(53)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(54)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(55)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(56)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(57)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(58)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(59)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(60)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(61)}$ | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(62)}$ | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(63)}$ | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(64)}$ | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(65)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{29}^{(66)}$ | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{29}^{(67)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{29}^{(68)}$ | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{29}^{(69)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{29}^{(70)}$ | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{29}^{(71)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{29}^{(72)}$ | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{29}^{(73)}$ | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{29}^{(74)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{29}^{(75)}$ | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{29}^{(76)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{29}^{(77)}$ | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{29}^{(78)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{29}^{(79)}$ | -2 | -2 | 2 | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{29}^{(80)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|--|--|--|--|--|--|--|
| $\chi_{29}^{(126)}$ | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | | | | | | | |
| $\chi_{29}^{(127)}$ | -3 | -3 | 3 | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | | | | | | | |
| $\chi_{29}^{(128)}$ | -3 | -3 | 3 | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | | | | | | | |
| $\chi_{29}^{(129)}$ | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(130)}$ | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(131)}$ | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(132)}$ | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(133)}$ | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(134)}$ | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(135)}$ | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(136)}$ | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(137)}$ | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(138)}$ | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(139)}$ | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(140)}$ | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(141)}$ | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(142)}$ | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(143)}$ | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(144)}$ | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(145)}$ | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(146)}$ | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(147)}$ | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(148)}$ | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(149)}$ | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(150)}$ | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(151)}$ | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(152)}$ | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(153)}$ | C | -C | 3 | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(154)}$ | -C | C | 3 | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(155)}$ | C | -C | 3 | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | | | | | | | |
| $\chi_{29}^{(156)}$ | -C | C | 3 | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | | | | | | | |
| $\chi_{29}^{(157)}$ | -C | C | -3 | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(158)}$ | C | -C | -3 | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| $\chi_{29}^{(159)}$ | -C | C | -3 | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | C | -C | 3 | | | | | | | |
| $\chi_{29}^{(160)}$ | C | -C | -3 | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -C | C | 3 | | | | | | | |
| | 130 | | | | | | | | | | 140 | | | | | | | | | | 150 | | | | | | | | | |
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(2)}$ | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(3)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(4)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(5)}$ | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(6)}$ | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(7)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(8)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(9)}$ | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(10)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(11)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | 150 | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|--|--|--|--|--|--|--|
| $\chi_{29}^{(12)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{29}^{(13)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | | |
| $\chi_{29}^{(14)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(15)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(16)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(17)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(18)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(19)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(20)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(21)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(22)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(23)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(24)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(25)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(26)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(28)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(29)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(30)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{29}^{(31)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(32)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{29}^{(33)}$ | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(34)}$ | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(35)}$ | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(36)}$ | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(37)}$ | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(38)}$ | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(39)}$ | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(40)}$ | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(41)}$ | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(42)}$ | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(43)}$ | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(44)}$ | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(45)}$ | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(46)}$ | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(47)}$ | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(48)}$ | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(49)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(50)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(51)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(52)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(53)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |
| $\chi_{29}^{(54)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | |
| $\chi_{29}^{(55)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | |
| $\chi_{29}^{(56)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | |
| $\chi_{29}^{(57)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | 150 | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|--|--|--|
| $\chi_{29}^{(58)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | |
| $\chi_{29}^{(59)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | |
| $\chi_{29}^{(60)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | |
| $\chi_{29}^{(61)}$ | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | |
| $\chi_{29}^{(62)}$ | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | |
| $\chi_{29}^{(63)}$ | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | |
| $\chi_{29}^{(64)}$ | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | |
| $\chi_{29}^{(65)}$ | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | | | |
| $\chi_{29}^{(66)}$ | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | | | |
| $\chi_{29}^{(67)}$ | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | | | |
| $\chi_{29}^{(68)}$ | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | | | |
| $\chi_{29}^{(69)}$ | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | | | |
| $\chi_{29}^{(70)}$ | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | | | |
| $\chi_{29}^{(71)}$ | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | | | |
| $\chi_{29}^{(72)}$ | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | | | |
| $\chi_{29}^{(73)}$ | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | | | |
| $\chi_{29}^{(74)}$ | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | | | |
| $\chi_{29}^{(75)}$ | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 1 | 1 | | | |
| $\chi_{29}^{(76)}$ | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | | | |
| $\chi_{29}^{(77)}$ | -2 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | | | |
| $\chi_{29}^{(78)}$ | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | | | |
| $\chi_{29}^{(79)}$ | 2 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | | | |
| $\chi_{29}^{(80)}$ | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | | | |
| $\chi_{29}^{(81)}$ | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | B | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | | | |
| $\chi_{29}^{(82)}$ | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | -B | B | -2 | 2 | -B | B | -2 | 2 | A | -A | | | |
| $\chi_{29}^{(83)}$ | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | B | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | | | |
| $\chi_{29}^{(84)}$ | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | -B | B | -2 | 2 | -B | B | -2 | 2 | A | -A | | | |
| $\chi_{29}^{(85)}$ | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | A | -A | | | |
| $\chi_{29}^{(86)}$ | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | | | |
| $\chi_{29}^{(87)}$ | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | A | -A | | | |
| $\chi_{29}^{(88)}$ | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | | | |
| $\chi_{29}^{(89)}$ | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | -B | B | -2 | 2 | -B | B | -2 | 2 | A | -A | | | |
| $\chi_{29}^{(90)}$ | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | B | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | | | |
| $\chi_{29}^{(91)}$ | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | . | -B | B | -2 | 2 | -B | B | -2 | 2 | -B | B | -2 | 2 | A | -A | | | |
| $\chi_{29}^{(92)}$ | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | . | B | -B | -2 | 2 | B | -B | -2 | 2 | B | -B | -2 | 2 | -A | A | | | |
| $\chi_{29}^{(93)}$ | -2 | -A | A | -1 | 1 | . | . | . | . | . | . | . | . | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | | | |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | 150 | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|---|--|--|--|--|--|--|--|
| $\chi_{29}^{(94)}$ | -2 | A | -A | -1 | 1 | . | . | . | . | . | . | . | -B | B | 2 | -2 | -B | B | 2 | -2 | A | -A | | | | | | | | |
| $\chi_{29}^{(95)}$ | 2 | A | -A | 1 | -1 | . | . | . | . | . | . | . | B | -B | 2 | -2 | B | -B | 2 | -2 | -A | A | | | | | | | | |
| $\chi_{29}^{(96)}$ | 2 | -A | A | 1 | -1 | . | . | . | . | . | . | . | -B | B | 2 | -2 | -B | B | 2 | -2 | A | -A | | | | | | | | |
| $\chi_{29}^{(97)}$ | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(98)}$ | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(99)}$ | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(100)}$ | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(101)}$ | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(102)}$ | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(103)}$ | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(104)}$ | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(105)}$ | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(106)}$ | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(107)}$ | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(108)}$ | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(109)}$ | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(110)}$ | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(111)}$ | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(112)}$ | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(113)}$ | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(114)}$ | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(115)}$ | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(116)}$ | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(117)}$ | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(118)}$ | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(119)}$ | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(120)}$ | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(121)}$ | 3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(122)}$ | 3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(123)}$ | 3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(124)}$ | 3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(125)}$ | -3 | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(126)}$ | -3 | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(127)}$ | -3 | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(128)}$ | -3 | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 3 | 3 | -3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(129)}$ | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(130)}$ | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(131)}$ | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(132)}$ | -3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(133)}$ | 3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | A | -A | 1 | -1 | C | -C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(134)}$ | 3 | . | . | . | . | -A | A | 1 | -1 | A | -A | -1 | 1 | -A | A | 1 | -1 | -C | C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(135)}$ | 3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 | -1 | C | -C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(136)}$ | 3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -C | C | -3 | 3 | . | . | | | | | | | |
| $\chi_{29}^{(137)}$ | -3 | . | . | . | . | -A | A | -1 | 1 | A | -A | 1 | -1 | -A | A | -1 | 1 | -C | C | 3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(138)}$ | -3 | . | . | . | . | A | -A | -1 | 1 | -A | A | 1 | -1 | A | -A | -1 | 1 | C | -C | 3 | -3 | . | . | | | | | | | |
| $\chi_{29}^{(139)}$ | -3 | . | . | . | . | A | -A | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -C | C | 3 | -3 | . | . | | | | | | | |

| | 130 | 140 | 150 |
|---------------------|--|-----|-----|
| $\chi_{29}^{(140)}$ | -3 . . . -A A 1 -1 A -A -1 1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(141)}$ | 3 . . . A -A 1 -1 -A A -1 1 -A A -1 1 -C C 3 -3 . . | | |
| $\chi_{29}^{(142)}$ | 3 . . . -A A 1 -1 A -A -1 1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(143)}$ | 3 . . . -A A -1 1 A -A 1 -1 -A A -1 1 -C C 3 -3 . . | | |
| $\chi_{29}^{(144)}$ | 3 . . . A -A -1 1 -A A 1 -1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(145)}$ | 3 . . . A -A -1 1 -A A 1 -1 -A A 1 -1 -C C -3 3 . . | | |
| $\chi_{29}^{(146)}$ | 3 . . . -A A -1 1 A -A 1 -1 A -A 1 -1 C -C -3 3 . . | | |
| $\chi_{29}^{(147)}$ | 3 . . . -A A 1 -1 A -A -1 1 -A A 1 -1 -C C -3 3 . . | | |
| $\chi_{29}^{(148)}$ | 3 . . . A -A 1 -1 -A A -1 1 A -A 1 -1 C -C -3 3 . . | | |
| $\chi_{29}^{(149)}$ | -3 . . . -A A 1 -1 A -A -1 1 -A A 1 -1 -C C -3 3 . . | | |
| $\chi_{29}^{(150)}$ | -3 . . . A -A 1 -1 -A A -1 1 A -A 1 -1 C -C -3 3 . . | | |
| $\chi_{29}^{(151)}$ | -3 . . . A -A -1 1 -A A 1 -1 -A A 1 -1 -C C -3 3 . . | | |
| $\chi_{29}^{(152)}$ | -3 . . . -A A -1 1 A -A 1 -1 A -A 1 -1 C -C -3 3 . . | | |
| $\chi_{29}^{(153)}$ | 3 . . . A -A -1 1 -A A 1 -1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(154)}$ | 3 . . . -A A -1 1 A -A 1 -1 -A A -1 1 -C C 3 -3 . . | | |
| $\chi_{29}^{(155)}$ | 3 . . . -A A 1 -1 A -A -1 1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(156)}$ | 3 . . . A -A 1 -1 -A A -1 1 -A A -1 1 -C C 3 -3 . . | | |
| $\chi_{29}^{(157)}$ | -3 . . . -A A 1 -1 A -A -1 1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(158)}$ | -3 . . . A -A 1 -1 -A A -1 1 -A A -1 1 -C C 3 -3 . . | | |
| $\chi_{29}^{(159)}$ | -3 . . . A -A -1 1 -A A 1 -1 A -A -1 1 C -C 3 -3 . . | | |
| $\chi_{29}^{(160)}$ | -3 . . . -A A -1 1 A -A 1 -1 -A A -1 1 -C C 3 -3 . . | | |
| | | 160 | |
| $\chi_{29}^{(1)}$ | 1 1 1 1 1 1 1 1 1 1 | | |
| $\chi_{29}^{(2)}$ | 1 1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(3)}$ | -1 -1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(4)}$ | -1 -1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(5)}$ | 1 1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(6)}$ | -1 -1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(7)}$ | 1 1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(8)}$ | 1 1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(9)}$ | -1 -1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(10)}$ | 1 1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(11)}$ | -1 -1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(12)}$ | -1 -1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(13)}$ | 1 1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(14)}$ | -1 -1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(15)}$ | 1 1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(16)}$ | 1 1 -1 -1 1 1 -1 -1 1 1 | | |
| $\chi_{29}^{(17)}$ | -1 -1 1 1 -1 -1 1 1 -1 -1 | | |
| $\chi_{29}^{(18)}$ | -1 -1 1 1 1 1 1 1 1 1 | | |
| $\chi_{29}^{(19)}$ | 1 1 -1 -1 -1 -1 -1 -1 -1 -1 | | |
| $\chi_{29}^{(20)}$ | 1 1 -1 -1 -1 -1 -1 -1 -1 -1 | | |
| $\chi_{29}^{(21)}$ | -1 -1 1 1 1 1 1 1 1 1 | | |
| $\chi_{29}^{(22)}$ | 1 1 -1 -1 -1 -1 -1 -1 -1 -1 | | |
| $\chi_{29}^{(23)}$ | -1 -1 1 1 1 1 1 1 1 1 | | |
| $\chi_{29}^{(24)}$ | -1 -1 1 1 1 1 1 1 1 1 | | |

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|--------------------|-----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(25)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(29)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(30)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(31)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(32)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(33)}$ | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(34)}$ | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(35)}$ | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(36)}$ | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(37)}$ | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(38)}$ | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(39)}$ | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(40)}$ | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(41)}$ | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(42)}$ | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(43)}$ | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(44)}$ | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(45)}$ | -1 | 1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(46)}$ | -1 | 1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(47)}$ | 1 | -1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(48)}$ | 1 | -1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(49)}$ | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(50)}$ | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(51)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(52)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(53)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(54)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(55)}$ | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(56)}$ | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(57)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(58)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(59)}$ | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(60)}$ | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(61)}$ | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(62)}$ | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(63)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 |
| $\chi_{29}^{(64)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 |
| $\chi_{29}^{(65)}$ | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{29}^{(66)}$ | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{29}^{(67)}$ | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{29}^{(68)}$ | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{29}^{(69)}$ | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{29}^{(70)}$ | 1 | 1 | . | . | . | . | . | . | . |

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|---------------------|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{29}^{(71)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(72)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(73)}$ | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(74)}$ | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(75)}$ | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(76)}$ | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(77)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(78)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(79)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(80)}$ | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(81)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(82)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(83)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(84)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(85)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(86)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(87)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(88)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(89)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(90)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(91)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(92)}$ | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(93)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(94)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(95)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(96)}$ | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{29}^{(97)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(98)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(99)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(100)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(101)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(102)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(103)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(104)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(105)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(106)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(107)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(108)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(109)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(110)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{29}^{(111)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(112)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(113)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{29}^{(114)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{29}^{(115)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{29}^{(116)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |

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|---------------------|-----|---|----|----|----|----|----|----|----|
| $\chi_{29}^{(117)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{29}^{(118)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{29}^{(119)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{29}^{(120)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{29}^{(121)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{29}^{(122)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{29}^{(123)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{29}^{(124)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{29}^{(125)}$ | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{29}^{(126)}$ | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{29}^{(127)}$ | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{29}^{(128)}$ | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{29}^{(129)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(130)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(131)}$ | . | . | -A | A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(132)}$ | . | . | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(133)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(134)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(135)}$ | . | . | -A | A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(136)}$ | . | . | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(137)}$ | . | . | -A | A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(138)}$ | . | . | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(139)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(140)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(141)}$ | . | . | -A | A | -1 | 1 | A | -A | 1 |
| $\chi_{29}^{(142)}$ | . | . | A | -A | -1 | 1 | -A | A | -1 |
| $\chi_{29}^{(143)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(144)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(145)}$ | . | . | A | -A | -1 | 1 | -A | A | 1 |
| $\chi_{29}^{(146)}$ | . | . | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(147)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(148)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(149)}$ | . | . | A | -A | -1 | 1 | -A | A | 1 |
| $\chi_{29}^{(150)}$ | . | . | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(151)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(152)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(153)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(154)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(155)}$ | . | . | A | -A | -1 | 1 | -A | A | 1 |
| $\chi_{29}^{(156)}$ | . | . | -A | A | -1 | 1 | A | -A | -1 |
| $\chi_{29}^{(157)}$ | . | . | -A | A | 1 | -1 | A | -A | -1 |
| $\chi_{29}^{(158)}$ | . | . | A | -A | 1 | -1 | -A | A | -1 |
| $\chi_{29}^{(159)}$ | . | . | A | -A | -1 | 1 | -A | A | 1 |
| $\chi_{29}^{(160)}$ | . | . | -A | A | -1 | 1 | A | -A | -1 |

where $A = -E(4) = -ER(-1) = -i$, $B = -2^*E(4) = -2^*ER(-1) = -2i$, $C = 3^*E(4) = 3^*ER(-1) = 3i$.

The generators of $G^{s_{30}}$ are:

$$\begin{pmatrix} 0 & 1 & 1 & -1 & -1 & 2 & -1 & 0 \\ 0 & 1 & 1 & -1 & -1 & 2 & -1 & 1 \\ 0 & 1 & 1 & -1 & -2 & 4 & -2 & 1 \\ 1 & 2 & 1 & -2 & -2 & 5 & -3 & 2 \\ 1 & 1 & 1 & -1 & -2 & 4 & -3 & 2 \\ 1 & 1 & 0 & 0 & -2 & 3 & -2 & 1 \\ 1 & 0 & 0 & 0 & -1 & 2 & -1 & 0 \\ 1 & 0 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 0 & 0 & 0 & 0 & 1 & -1 \\ 0 & -1 & 1 & -1 & 1 & -1 & 1 & -1 \\ 0 & -2 & 1 & -1 & 1 & 0 & 1 & -2 \\ 0 & -2 & 2 & -2 & 1 & 0 & 1 & -2 \\ 0 & -2 & 2 & -1 & 0 & 0 & 1 & -2 \\ 0 & -2 & 1 & 0 & 0 & 0 & 0 & -1 \\ 0 & -2 & 1 & 0 & 0 & 0 & 0 & 0 \\ -1 & -1 & 1 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 0 & 0 & -1 & 2 & -2 & 1 & 0 \\ 0 & 0 & 0 & -1 & 2 & -2 & 1 & -1 \\ 0 & 0 & 0 & -2 & 4 & -3 & 1 & -1 \\ 0 & 1 & 0 & -3 & 5 & -4 & 1 & -1 \\ 0 & 1 & 0 & -2 & 4 & -4 & 1 & -1 \\ 0 & 0 & 0 & -1 & 3 & -3 & 0 & 0 \\ 0 & 0 & -1 & 0 & 2 & -2 & 0 & 0 \\ -1 & 0 & 0 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{30}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & 1 & 0 & 1 & -2 & 1 & 0 & 0 \\ 0 & 1 & 0 & 1 & -3 & 2 & 0 & 0 \\ 0 & 2 & -1 & 2 & -4 & 2 & 0 & 0 \\ 0 & 3 & 0 & 2 & -6 & 3 & 0 & 0 \\ 0 & 3 & 0 & 1 & -5 & 3 & 0 & 0 \\ 0 & 3 & 0 & 0 & -3 & 2 & 0 & 0 \\ 0 & 2 & 0 & 0 & -2 & 2 & -1 & 0 \\ 0 & 1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 1 & -1 & -1 & 2 & -1 & 0 \\ 0 & 1 & 1 & -1 & -1 & 2 & -1 & 1 \\ 0 & 1 & 1 & -1 & -2 & 4 & -2 & 1 \\ 1 & 2 & 1 & -2 & -2 & 5 & -3 & 2 \\ 1 & 1 & 1 & -1 & -2 & 4 & -3 & 2 \\ 1 & 1 & 0 & 0 & -2 & 3 & -2 & 1 \\ 1 & 0 & 0 & 0 & -1 & 2 & -1 & 0 \\ 1 & 0 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix},$$

The character table of $G^{s_{30}}$:

| | 10 | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|----|----|--|
| $\chi_{29}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{30}^{(2)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{30}^{(3)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{30}^{(4)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | |
| $\chi_{30}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | |
| $\chi_{30}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{30}^{(9)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | |
| $\chi_{30}^{(10)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | |
| $\chi_{30}^{(11)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | |
| $\chi_{30}^{(12)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | |
| $\chi_{30}^{(13)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | |
| $\chi_{30}^{(14)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | |
| $\chi_{30}^{(15)}$ | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | |
| $\chi_{30}^{(16)}$ | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | |
| $\chi_{30}^{(17)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{30}^{(18)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | |
| $\chi_{30}^{(19)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | |
| $\chi_{30}^{(20)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | | |
| $\chi_{30}^{(21)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | -A | |
| $\chi_{30}^{(22)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | A | |
| $\chi_{30}^{(23)}$ | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | 2 | -2 | -B | B | -1 | 1 | -A | |
| $\chi_{30}^{(24)}$ | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | 2 | -2 | B | -B | -1 | 1 | A | |
| $\chi_{30}^{(25)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{30}^{(26)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{30}^{(27)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(28)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(29)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(30)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{30}^{(31)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{30}^{(32)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{30}^{(33)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(34)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(35)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(36)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(37)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | E | E | E | E | /E | /E | /E | /E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(38)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | /E | /E | /E | /E | E | E | E | E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(39)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | E | E | E | E | /E | /E | /E | /E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(40)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | /E | /E | /E | /E | E | E | E | E | . | . | . | . | . | . | . | |
| $\chi_{30}^{(41)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | . | . | . | . | . | . | . | |
| $\chi_{30}^{(42)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | . | . | . | . | . | . | . | |
| $\chi_{30}^{(43)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | . | . | . | . | . | . | . | |
| $\chi_{30}^{(44)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | . | . | . | . | . | . | . | |
| $\chi_{30}^{(45)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | . | . | . | . | . | . | . | |

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|----|----|---|--|--|--|
| $\chi_{30}^{(46)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(47)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(48)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(49)}$ | 3 | -3 | -C | C | 3 | -3 | -C | C | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(50)}$ | 3 | -3 | C | -C | 3 | -3 | C | -C | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(51)}$ | 3 | -3 | -C | C | 3 | -3 | -C | C | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(52)}$ | 3 | -3 | C | -C | 3 | -3 | C | -C | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(53)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | E | E | E | E | /E | /E | /E | /E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(54)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | /E | /E | /E | /E | E | E | E | E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(55)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | E | E | E | E | /E | /E | /E | /E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(56)}$ | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | /E | /E | /E | /E | E | E | E | E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(57)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(58)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(59)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(60)}$ | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(61)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(62)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(63)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(64)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(65)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(66)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(67)}$ | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(68)}$ | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(69)}$ | 3 | -3 | C | -C | 3 | -3 | C | -C | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(70)}$ | 3 | -3 | -C | C | 3 | -3 | -C | C | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(71)}$ | 3 | -3 | C | -C | 3 | -3 | C | -C | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(72)}$ | 3 | -3 | -C | C | 3 | -3 | -C | C | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(73)}$ | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(74)}$ | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(75)}$ | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(76)}$ | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(77)}$ | 6 | -6 | D | -D | -2 | 2 | B | -B | -2 | 2 | B | -B | 2 | -2 | -B | B | 2 | -2 | -B | B | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(78)}$ | 6 | -6 | -D | D | -2 | 2 | -B | B | -2 | 2 | -B | B | 2 | -2 | B | -B | 2 | -2 | B | -B | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(79)}$ | 6 | -6 | -D | D | -2 | 2 | -B | B | -2 | 2 | -B | B | 2 | -2 | B | -B | 2 | -2 | B | -B | . | . | . | . | . | . | . | . | | | |
| $\chi_{30}^{(80)}$ | 6 | -6 | D | -D | -2 | 2 | B | -B | -2 | 2 | B | -B | 2 | -2 | -B | B | 2 | -2 | -B | B | . | . | . | . | . | . | . | . | | | |
| | | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
| $\chi_{30}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| $\chi_{30}^{(2)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | |
| $\chi_{30}^{(3)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | |
| $\chi_{30}^{(4)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | |
| $\chi_{30}^{(5)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | |
| $\chi_{30}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{30}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| $\chi_{30}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{30}^{(9)}$ | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | | | | |
| $\chi_{30}^{(10)}$ | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | | | | |

| | 30 | | | | | | | | | | | | 40 | | | | | | | | | | | | 50 | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|
| $\chi_{30}^{(56)}$ | . | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | /E | /E | /E | /E | E | E | E | E | A | A | A | A | -A | -A | | | | | | | | | | |
| $\chi_{30}^{(57)}$ | . | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | A | A | -A | -A | -A | -A | | | | | | | | | | |
| $\chi_{30}^{(58)}$ | . | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | -A | -A | A | A | A | A | | | | | | | | | | |
| $\chi_{30}^{(59)}$ | . | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | E | E | -E | -E | /E | /E | -/E | -/E | -A | -A | A | A | A | A | | | | | | | | | | |
| $\chi_{30}^{(60)}$ | . | 3 | 3 | -3 | -3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | /E | /E | -/E | -/E | E | E | -E | -E | A | A | -A | -A | -A | -A | | | | | | | | | | |
| $\chi_{30}^{(61)}$ | . | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | -A | A | 1 | -1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(62)}$ | . | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | A | -A | 1 | -1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(63)}$ | . | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | E | -E | -F | F | /E | -/E | /F | -/F | A | -A | -1 | 1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(64)}$ | . | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | /E | -/E | -/F | /F | E | -E | F | -F | -A | A | -1 | 1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(65)}$ | . | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | A | -A | -1 | 1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(66)}$ | . | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | -A | A | -1 | 1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(67)}$ | . | 3 | -3 | -C | C | -1 | 1 | -A | A | 1 | -1 | A | -A | /E | -/E | /F | -/F | E | -E | -F | F | -A | A | 1 | -1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(68)}$ | . | 3 | -3 | C | -C | -1 | 1 | A | -A | 1 | -1 | -A | A | E | -E | F | -F | /E | -/E | -/F | /F | A | -A | 1 | -1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(69)}$ | . | -3 | 3 | -C | C | -3 | 3 | -C | C | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | | | | | | | | | | |
| $\chi_{30}^{(70)}$ | . | -3 | 3 | C | -C | -3 | 3 | C | -C | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | | | | | | | | | | |
| $\chi_{30}^{(71)}$ | . | -3 | 3 | -C | C | -3 | 3 | -C | C | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | | | | | | | | | | |
| $\chi_{30}^{(72)}$ | . | -3 | 3 | C | -C | -3 | 3 | C | -C | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | | | | | | | | | | |
| $\chi_{30}^{(73)}$ | . | -6 | -6 | 6 | 6 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(74)}$ | . | -6 | -6 | -6 | -6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(75)}$ | . | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(76)}$ | . | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(77)}$ | . | -6 | 6 | -D | D | 2 | -2 | -B | B | 2 | -2 | -B | B | -2 | 2 | B | -B | -2 | 2 | B | -B | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(78)}$ | . | -6 | 6 | D | -D | 2 | -2 | B | -B | 2 | -2 | B | -B | -2 | 2 | -B | B | -2 | 2 | -B | B | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(79)}$ | . | 6 | -6 | -D | D | -2 | 2 | -B | B | -2 | 2 | -B | B | 2 | -2 | B | -B | 2 | -2 | B | -B | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(80)}$ | . | 6 | -6 | D | -D | -2 | 2 | B | -B | -2 | 2 | B | -B | 2 | -2 | -B | B | 2 | -2 | -B | B | . | . | . | . | . | . | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | 70 | | | | | | | | | | | | 80 | | | | | | | | | | | |
| $\chi_{30}^{(1)}$ | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | |
| $\chi_{30}^{(2)}$ | | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | | | | |
| $\chi_{30}^{(3)}$ | | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | | | |
| $\chi_{30}^{(4)}$ | | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | | | |
| $\chi_{30}^{(5)}$ | | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | | | | |
| $\chi_{30}^{(6)}$ | | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | |
| $\chi_{30}^{(7)}$ | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | | |
| $\chi_{30}^{(8)}$ | | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | | |
| $\chi_{30}^{(9)}$ | | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(10)}$ | | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(11)}$ | | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(12)}$ | | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(13)}$ | | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | -1 | 1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(14)}$ | | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | -1 | 1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(15)}$ | | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | 1 | -1 | A | -A | | | | | | | | | | |
| $\chi_{30}^{(16)}$ | | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | 1 | -1 | -A | A | | | | | | | | | | |
| $\chi_{30}^{(17)}$ | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(18)}$ | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(19)}$ | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | | |
| $\chi_{30}^{(20)}$ | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | | |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{30}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{30}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{30}^{(23)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{30}^{(24)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{30}^{(25)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(26)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(27)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(28)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(29)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(30)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(31)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(32)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(33)}$ | A | A | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | A | A | -A | -A | -A | -A | A | A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(34)}$ | -A | -A | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -A | -A | A | A | A | A | -A | -A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(35)}$ | -A | -A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -A | -A | A | A | A | A | -A | -A | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(36)}$ | A | A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | A | A | -A | -A | -A | -A | A | A | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(37)}$ | -A | -A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(38)}$ | A | A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(39)}$ | A | A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -A | -A | -A | -A | A | A | A | A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(40)}$ | -A | -A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | A | A | A | A | -A | -A | -A | -A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(41)}$ | 1 | -1 | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | A | -1 | 1 | A | -A | 1 | -1 | -1 | 1 | A | -A | 1 | -1 | -A | A | A | A | A | A |
| $\chi_{30}^{(42)}$ | 1 | -1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | -A | -1 | 1 | -A | A | 1 | -1 | -1 | 1 | -A | A | 1 | -1 | A | -A | A | A | A | A |
| $\chi_{30}^{(43)}$ | -1 | 1 | -1 | 1 | A | -A | 1 | -1 | -A | A | A | -A | 1 | -1 | -A | A | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | A | A | A |
| $\chi_{30}^{(44)}$ | -1 | 1 | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | A | 1 | -1 | A | -A | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | A | A | A |
| $\chi_{30}^{(45)}$ | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | -A | 1 | -1 | -A | A | -1 | 1 | -1 | 1 | A | -A | 1 | -1 | -A | A | A | A | A | A |
| $\chi_{30}^{(46)}$ | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | A | 1 | -1 | A | -A | -1 | 1 | -1 | 1 | -A | A | 1 | -1 | A | -A | A | A | A | A |
| $\chi_{30}^{(47)}$ | 1 | -1 | -1 | 1 | A | -A | 1 | -1 | -A | A | -A | A | -1 | 1 | A | -A | 1 | -1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | A | A | A |
| $\chi_{30}^{(48)}$ | 1 | -1 | -1 | 1 | -A | A | 1 | -1 | A | -A | A | -A | -1 | 1 | -A | A | 1 | -1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | A | A | A |
| $\chi_{30}^{(49)}$ | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | A | A | A | A |
| $\chi_{30}^{(50)}$ | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | A | A | A | A |
| $\chi_{30}^{(51)}$ | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | -1 | 1 | -A | A | -1 | 1 | -A | A | 1 | -1 | A | -A | 1 | -1 | A | -A | A | A | A | A |
| $\chi_{30}^{(52)}$ | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | -1 | 1 | A | -A | -1 | 1 | A | -A | 1 | -1 | -A | A | 1 | -1 | -A | A | A | A | A | A |
| $\chi_{30}^{(53)}$ | -A | -A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(54)}$ | A | A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(55)}$ | A | A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | A | A | A | A | -A | -A | -A | -A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(56)}$ | -A | -A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -A | -A | -A | -A | A | A | A | A | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(57)}$ | A | A | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -A | -A | A | A | A | A | -A | -A | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(58)}$ | -A | -A | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | A | A | -A | -A | -A | -A | A | A | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{30}^{(59)}$ | -A | -A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | A | A | -A | -A | -A | -A | A | A | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(60)}$ | A | A | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -A | -A | A | A | A | A | -A | -A | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{30}^{(61)}$ | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | -A | -1 | 1 | -A | A | 1 | -1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | A | A | A |
| $\chi_{30}^{(62)}$ | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | A | -1 | 1 | A | -A | 1 | -1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | A | A | A |
| $\chi_{30}^{(63)}$ | 1 | -1 | -1 | 1 | -A | A | 1 | -1 | A | -A | -A | A | 1 | -1 | A | -A | -1 | 1 | -1 | 1 | -A | A | 1 | -1 | A | -A | A | A | A | A |
| $\chi_{30}^{(64)}$ | 1 | -1 | -1 | 1 | A | -A | 1 | -1 | -A | A | A | -A | 1 | -1 | -A | A | -1 | 1 | -1 | 1 | A | -A | 1 | -1 | -A | A | A | A | A | A |
| $\chi_{30}^{(65)}$ | 1 | -1 | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | A | 1 | -1 | A | -A | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | -A | A | A | A | A | A |

| | 60 | | | | | | | | | | | | 70 | | | | | | | | | | | | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| $\chi_{30}^{(66)}$ | 1 | -1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | -A | 1 | -1 | -A | A | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A |

where $A = -E(4) = -ER(-1) = -i$, $B = -2^*E(4) = -2^*ER(-1) = -2i$, $C = 3^*E(4) = 3^*ER(-1) = 3i$, $D = 6^*E(4) = 6^*ER(-1) = 6i$, $E = -1-2^*E(4) = -1-2^*ER(-1) = -1-2i$, $F = 2-E(4) = 2-ER(-1) = 2-i$.

The generators of $G^{s_{31}}$ are:

$$\begin{pmatrix} 1 & 1 & -1 & 1 & -2 & 1 & 0 & 0 \\ 1 & 1 & -1 & 1 & -2 & 2 & -1 & 0 \\ 1 & 2 & -2 & 2 & -3 & 2 & -1 & 0 \\ 2 & 2 & -3 & 3 & -4 & 3 & -2 & 1 \\ 2 & 2 & -3 & 2 & -3 & 3 & -2 & 1 \\ 1 & 2 & -2 & 1 & -2 & 2 & -1 & 1 \\ 0 & 1 & -1 & 1 & -2 & 2 & -1 & 1 \\ 0 & 1 & 0 & 0 & -1 & 1 & -1 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & 1 & -1 & 0 & 0 & -1 \\ 0 & -1 & 1 & 2 & -2 & 0 & -1 & 0 \\ 0 & -2 & 2 & 2 & -2 & 0 & -1 & 0 \\ 0 & -2 & 3 & 3 & -4 & 0 & -1 & 0 \\ 0 & -2 & 3 & 2 & -3 & 0 & -1 & 0 \\ 0 & -2 & 2 & 2 & -2 & -1 & 0 & 0 \\ 0 & -2 & 1 & 2 & -2 & 0 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & -2 & 2 & 0 & 0 & 0 \\ 0 & 1 & 0 & -3 & 3 & 0 & 0 & 0 \\ 0 & 0 & 1 & -4 & 4 & 0 & 0 & 0 \\ 0 & 0 & 0 & -5 & 6 & 0 & 0 & 0 \\ 0 & 0 & 0 & -4 & 5 & 0 & 0 & 0 \\ 0 & 0 & 0 & -3 & 3 & 1 & 0 & 0 \\ 0 & 0 & 0 & -2 & 2 & 0 & 1 & 0 \\ 0 & 0 & 0 & -1 & 1 & 0 & 0 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 1 & -1 & 0 & -1 & 2 & -1 & 0 \\ 0 & 2 & -1 & 0 & -1 & 2 & -1 & 0 \\ 0 & 2 & -1 & 0 & -2 & 4 & -2 & 0 \\ 0 & 3 & -2 & 0 & -2 & 5 & -3 & 1 \\ 0 & 2 & -2 & 1 & -2 & 4 & -3 & 1 \\ 0 & 1 & -1 & 1 & -2 & 3 & -2 & 1 \\ 0 & 1 & -1 & 1 & -2 & 2 & -1 & 1 \\ 0 & 1 & 0 & 0 & -1 & 1 & -1 & 1 \end{pmatrix}. \text{ The representatives of conjugacy classes of } G^{s_{31}} \text{ are:}$$

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & -1 & 0 & 1 & 0 & 0 & -1 & 0 \\ -1 & -1 & 0 & 1 & 0 & -1 & 0 & 0 \\ -1 & -2 & 0 & 2 & -1 & 0 & -1 & 0 \\ -2 & -3 & 0 & 3 & -1 & -1 & 0 & -1 \\ -2 & -2 & 0 & 2 & -1 & 0 & 0 & -1 \\ -1 & -2 & 0 & 1 & 0 & 0 & 0 & -1 \\ 0 & -1 & -1 & 1 & 0 & 0 & 0 & -1 \\ 0 & -1 & -1 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -1 & -1 & 0 & 1 & 0 & 0 & -1 & 0 \\ -1 & -1 & 0 & 1 & 0 & -1 & 0 & 0 \\ -1 & -2 & 0 & 2 & -1 & 0 & -1 & 0 \\ -2 & -2 & 1 & 2 & -1 & -1 & -1 & 0 \\ -2 & -1 & 1 & 1 & -1 & 0 & -1 & 0 \\ -1 & -1 & 1 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 \end{pmatrix},$$

The character table of $G^{s_{31}}$:

| | 10 | | | | | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|-----|-----|----|-----|-----|----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|-----|----|-----|----|-----|--|
| $\chi_{30}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(2)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(3)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(4)}$ | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(6)}$ | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{31}^{(7)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{31}^{(8)}$ | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{31}^{(9)}$ | 1 | -1 | B | -/B | 1 | -B | -B | 1 | -/B | -1 | /B | 1 | -/B | B | -1 | /B | -B | -/B | 1 | B | /B | -1 | -B | 1 | -/B | |
| $\chi_{31}^{(10)}$ | 1 | -1 | /B | -B | 1 | -/B | -/B | 1 | -B | -1 | B | 1 | -B | /B | -1 | B | -/B | -B | 1 | /B | B | -1 | -/B | 1 | -B | |
| $\chi_{31}^{(11)}$ | 1 | 1 | -/B | B | -1 | /B | -/B | 1 | -B | 1 | -B | -1 | B | /B | -1 | B | -/B | -B | 1 | /B | B | -1 | -/B | 1 | -B | |
| $\chi_{31}^{(12)}$ | 1 | 1 | -B | /B | -1 | B | -B | 1 | -/B | 1 | -/B | -1 | /B | B | -1 | /B | -B | -/B | 1 | B | /B | -1 | -B | 1 | -/B | |
| $\chi_{31}^{(13)}$ | 1 | -1 | B | /B | -1 | B | -B | 1 | -/B | -1 | /B | -1 | /B | -B | 1 | -/B | -B | -/B | 1 | -B | -/B | 1 | -B | 1 | -/B | |
| $\chi_{31}^{(14)}$ | 1 | -1 | /B | B | -1 | /B | -/B | 1 | -B | -1 | B | -1 | B | -/B | 1 | -B | -/B | -B | 1 | -/B | -B | 1 | -/B | 1 | -B | |
| $\chi_{31}^{(15)}$ | 1 | 1 | -/B | -B | 1 | -/B | -/B | 1 | -B | 1 | -B | 1 | -B | -/B | 1 | -B | -/B | -B | 1 | -/B | -B | 1 | -/B | 1 | -B | |
| $\chi_{31}^{(16)}$ | 1 | 1 | -B | -/B | 1 | -B | -B | 1 | -/B | 1 | -/B | 1 | -/B | -B | 1 | -/B | -B | -/B | 1 | -B | -/B | 1 | -B | 1 | -/B | |
| $\chi_{31}^{(17)}$ | 1 | -1 | B | -/B | 1 | -B | -B | 1 | -/B | -1 | /B | 1 | -/B | B | -1 | /B | -B | -/B | 1 | B | /B | -1 | -B | 1 | -/B | |
| $\chi_{31}^{(18)}$ | 1 | -1 | /B | -B | 1 | -/B | -/B | 1 | -B | -1 | B | 1 | -B | /B | -1 | B | -/B | -B | 1 | /B | B | -1 | -/B | 1 | -B | |
| $\chi_{31}^{(19)}$ | 1 | 1 | -/B | B | -1 | /B | -/B | 1 | -B | 1 | -B | -1 | B | /B | -1 | B | -/B | -B | 1 | /B | B | -1 | -/B | 1 | -B | |
| $\chi_{31}^{(20)}$ | 1 | 1 | -B | /B | -1 | B | -B | 1 | -/B | 1 | -/B | -1 | /B | B | -1 | /B | -B | -/B | 1 | B | /B | -1 | -B | 1 | -/B | |
| $\chi_{31}^{(21)}$ | 1 | -1 | B | /B | -1 | B | -B | 1 | -/B | -1 | /B | -1 | /B | -B | 1 | -/B | -B | -/B | 1 | -B | -/B | 1 | -B | 1 | -/B | |
| $\chi_{31}^{(22)}$ | 1 | -1 | /B | B | -1 | /B | -/B | 1 | -B | -1 | B | -1 | B | -/B | 1 | -B | -/B | -B | 1 | -/B | -B | 1 | -/B | 1 | -B | |
| $\chi_{31}^{(23)}$ | 1 | 1 | -/B | -B | 1 | -/B | -/B | 1 | -B | 1 | -B | 1 | -B | -/B | 1 | -B | -/B | -B | 1 | -/B | -B | 1 | -/B | 1 | -B | |
| $\chi_{31}^{(24)}$ | 1 | 1 | -B | -/B | 1 | -B | -B | 1 | -/B | 1 | -/B | 1 | -/B | -B | 1 | -/B | -B | -/B | 1 | -B | -/B | 1 | -B | 1 | -/B | |
| $\chi_{31}^{(25)}$ | 2 | . | . | . | . | . | 2 | 2 | 2 | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | |
| $\chi_{31}^{(26)}$ | 2 | . | . | . | . | . | 2 | 2 | 2 | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | |
| $\chi_{31}^{(27)}$ | 2 | 1 | 1 | -2 | 1 | 1 | -1 | -1 | 2 | -2 | 1 | -2 | 1 | -1 | -1 | 2 | -1 | -1 | 2 | -1 | -1 | 2 | -1 | -1 | 2 | |
| $\chi_{31}^{(28)}$ | 2 | -1 | -1 | 2 | -1 | -1 | -1 | -1 | 2 | 2 | -1 | 2 | -1 | -1 | -1 | 2 | -1 | -1 | 2 | -1 | -1 | 2 | -1 | -1 | 2 | |
| $\chi_{31}^{(29)}$ | 2 | 1 | 1 | 2 | -1 | -1 | -1 | -1 | 2 | -2 | 1 | 2 | -1 | 1 | 1 | -2 | -1 | -1 | 2 | 1 | 1 | -2 | -1 | -1 | 2 | |
| $\chi_{31}^{(30)}$ | 2 | -1 | -1 | -2 | 1 | 1 | -1 | -1 | 2 | 2 | -1 | -2 | 1 | 1 | 1 | -2 | -1 | -1 | 2 | 1 | 1 | -2 | -1 | -1 | 2 | |
| $\chi_{31}^{(31)}$ | 2 | . | . | . | . | . | -2 | -2 | -2 | . | . | . | . | . | . | . | 2 | 2 | 2 | . | . | . | 2 | 2 | 2 | |
| $\chi_{31}^{(32)}$ | 2 | . | . | . | . | . | -2 | -2 | -2 | . | . | . | . | . | . | . | 2 | 2 | 2 | . | . | . | 2 | 2 | 2 | |
| $\chi_{31}^{(33)}$ | 2 | . | . | . | . | . | -2 | -2 | -2 | . | . | . | . | . | . | . | -2 | -2 | -2 | . | . | . | 2 | 2 | 2 | |
| $\chi_{31}^{(34)}$ | 2 | . | . | . | . | . | -2 | -2 | -2 | . | . | . | . | . | . | . | -2 | -2 | -2 | . | . | . | 2 | 2 | 2 | |
| $\chi_{31}^{(35)}$ | 2 | . | . | . | . | . | /D | 2 | D | . | . | . | . | /D | 2 | D | -/D | -D | -2 | -/D | -D | -2 | /D | 2 | D | |
| $\chi_{31}^{(36)}$ | 2 | . | . | . | . | . | D | 2 | /D | . | . | . | . | D | 2 | /D | -D | -/D | -2 | -D | -/D | -2 | D | 2 | /D | |
| $\chi_{31}^{(37)}$ | 2 | . | . | . | . | . | /D | 2 | D | . | . | . | . | -/D | -2 | -D | -/D | -D | -2 | /D | D | 2 | /D | 2 | D | |
| $\chi_{31}^{(38)}$ | 2 | . | . | . | . | . | D | 2 | /D | . | . | . | . | -D | -2 | -/D | -D | -/D | -2 | D | /D | 2 | D | 2 | /D | |
| $\chi_{31}^{(39)}$ | 2 | A | -A | . | A | -A | -1 | -1 | 2 | . | A | . | A | -1 | -1 | 2 | 1 | 1 | -2 | 1 | 1 | -2 | -1 | -1 | 2 | |
| $\chi_{31}^{(40)}$ | 2 | -A | A | . | -A | A | -1 | -1 | 2 | . | -A | . | -A | -1 | -1 | 2 | 1 | 1 | -2 | 1 | 1 | -2 | -1 | -1 | 2 | |
| $\chi_{31}^{(41)}$ | 2 | -A | C | . | -A | C | /B | -1 | D | . | /C | . | /C | /B | -1 | D | -/B | -B | -2 | -/B | -B | -2 | /B | -1 | D | |
| $\chi_{31}^{(42)}$ | 2 | A | /C | . | A | /C | B | -1 | /D | . | C | . | C | B | -1 | /D | -B | -/B | -2 | -B | -/B | -2 | B | -1 | /D | |
| $\chi_{31}^{(43)}$ | 2 | A | -C | . | A | -C | /B | -1 | D | . | -/C | . | -/C | /B | -1 | D | -/B | -B | -2 | -/B | -B | -2 | /B | -1 | D | |
| $\chi_{31}^{(44)}$ | 2 | -A | -/C | . | -A | -/C | B | -1 | /D | . | -C | . | -C | B | -1 | /D | -B | -/B | -2 | -B | -/B | -2 | B | -1 | /D | |
| $\chi_{31}^{(45)}$ | 2 | A | -A | . | -A | A | -1 | -1 | 2 | . | A | . | -A | 1 | 1 | -2 | 1 | 1 | -2 | -1 | -1 | 2 | -1 | -1 | 2 | |

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| $\chi_{31}^{(46)}$ | 2 | -A | A | . | A | -A | -1 | -1 | 2 | . | -A | . | A | 1 | 1 | -2 | 1 | 1 | -2 | -1 | -1 | 2 | -1 | -1 | 2 |
| $\chi_{31}^{(47)}$ | 2 | -A | C | . | A | -C | /B | -1 | D | . | /C | . | -/C | -/B | 1 | -D | -/B | -B | -2 | /B | B | 2 | /B | -1 | D |
| $\chi_{31}^{(48)}$ | 2 | A | /C | . | -A | -/C | B | -1 | /D | . | C | . | -C | -B | 1 | -/D | -B | -/B | -2 | B | /B | 2 | B | -1 | /D |
| $\chi_{31}^{(49)}$ | 2 | A | -C | . | -A | C | /B | -1 | D | . | -/C | . | /C | -/B | 1 | -D | -/B | -B | -2 | /B | B | 2 | /B | -1 | D |
| $\chi_{31}^{(50)}$ | 2 | -A | -/C | . | A | /C | B | -1 | /D | . | -C | . | C | -B | 1 | -/D | -B | -/B | -2 | B | /B | 2 | B | -1 | /D |
| $\chi_{31}^{(51)}$ | 2 | -1 | /B | D | -1 | /B | /B | -1 | D | 2 | B | 2 | B | /B | -1 | D | /B | B | 2 | /B | B | 2 | /B | -1 | D |
| $\chi_{31}^{(52)}$ | 2 | -1 | B | /D | -1 | B | B | -1 | /D | 2 | /B | 2 | /B | B | -1 | /D | B | /B | 2 | B | /B | 2 | B | -1 | /D |
| $\chi_{31}^{(53)}$ | 2 | 1 | -/B | -D | 1 | -/B | /B | -1 | D | -2 | -B | -2 | -B | /B | -1 | D | /B | B | 2 | /B | B | 2 | /B | -1 | D |
| $\chi_{31}^{(54)}$ | 2 | 1 | -B | -/D | 1 | -B | B | -1 | /D | -2 | -/B | -2 | -/B | B | -1 | /D | B | /B | 2 | B | /B | 2 | B | -1 | /D |
| $\chi_{31}^{(55)}$ | 2 | -1 | /B | -D | 1 | -/B | /B | -1 | D | 2 | B | -2 | -B | -/B | 1 | -D | /B | B | 2 | -/B | -B | -2 | /B | -1 | D |
| $\chi_{31}^{(56)}$ | 2 | -1 | B | -/D | 1 | -B | B | -1 | /D | 2 | /B | -2 | -/B | -B | 1 | -/D | B | /B | 2 | -B | -/B | -2 | B | -1 | /D |
| $\chi_{31}^{(57)}$ | 2 | 1 | -/B | D | -1 | /B | /B | -1 | D | -2 | -B | 2 | B | -/B | 1 | -D | /B | B | 2 | -/B | -B | -2 | /B | -1 | D |
| $\chi_{31}^{(58)}$ | 2 | 1 | -B | /D | -1 | B | B | -1 | /D | -2 | -/B | 2 | /B | -B | 1 | -/D | B | /B | 2 | -B | -/B | -2 | B | -1 | /D |
| $\chi_{31}^{(59)}$ | 2 | . | . | . | . | . | -/D | -2 | -D | . | . | . | . | . | . | . | /D | D | 2 | . | . | . | /D | 2 | D |
| $\chi_{31}^{(60)}$ | 2 | . | . | . | . | . | -D | -2 | -/D | . | . | . | . | . | . | . | D | /D | 2 | . | . | . | D | 2 | /D |
| $\chi_{31}^{(61)}$ | 2 | . | . | . | . | . | -/D | -2 | -D | . | . | . | . | . | . | . | /D | D | 2 | . | . | . | /D | 2 | D |
| $\chi_{31}^{(62)}$ | 2 | . | . | . | . | . | -D | -2 | -/D | . | . | . | . | . | . | . | D | /D | 2 | . | . | . | D | 2 | /D |
| $\chi_{31}^{(63)}$ | 2 | . | . | . | . | . | -/D | -2 | -D | . | . | . | . | . | . | . | -/D | -D | -2 | . | . | . | /D | 2 | D |
| $\chi_{31}^{(64)}$ | 2 | . | . | . | . | . | -D | -2 | -/D | . | . | . | . | . | . | . | -D | -/D | -2 | . | . | . | D | 2 | /D |
| $\chi_{31}^{(65)}$ | 2 | . | . | . | . | . | -/D | -2 | -D | . | . | . | . | . | . | . | -/D | -D | -2 | . | . | . | /D | 2 | D |
| $\chi_{31}^{(66)}$ | 2 | . | . | . | . | . | -D | -2 | -/D | . | . | . | . | . | . | . | -D | -/D | -2 | . | . | . | D | 2 | /D |
| $\chi_{31}^{(67)}$ | 4 | . | . | . | . | . | 2 | 2 | -4 | . | . | . | . | . | . | . | 2 | 2 | -4 | . | . | . | -2 | -2 | 4 |
| $\chi_{31}^{(68)}$ | 4 | . | . | . | . | . | 2 | 2 | -4 | . | . | . | . | . | . | . | -2 | -2 | 4 | . | . | . | -2 | -2 | 4 |
| $\chi_{31}^{(69)}$ | 4 | . | . | . | . | . | /D | 2 | E | . | . | . | . | . | . | . | /D | D | -4 | . | . | . | -/D | -2 | -E |
| $\chi_{31}^{(70)}$ | 4 | . | . | . | . | . | D | 2 | /E | . | . | . | . | . | . | . | D | /D | -4 | . | . | . | -D | -2 | -/E |
| $\chi_{31}^{(71)}$ | 4 | . | . | . | . | . | /D | 2 | E | . | . | . | . | . | . | . | -/D | -D | 4 | . | . | . | -/D | -2 | -E |
| $\chi_{31}^{(72)}$ | 4 | . | . | . | . | . | D | 2 | /E | . | . | . | . | . | . | . | -D | -/D | 4 | . | . | . | -D | -2 | -/E |
| | | 30 | | | | | | | | | | 40 | | | | | | | | | | | | | |
| $\chi_{31}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{31}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{31}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{31}^{(4)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{31}^{(5)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{31}^{(6)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{31}^{(7)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{31}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{31}^{(9)}$ | -B | -/B | 1 | -B | -/B | 1 | /B | -1 | B | -/B | 1 | -B | B | /B | -1 | B | /B | -1 | /B | B | -1 | -B | -/B | 1 | |
| $\chi_{31}^{(10)}$ | -/B | -B | 1 | -/B | -B | 1 | B | -1 | /B | -B | 1 | -/B | /B | B | -1 | /B | B | -1 | B | /B | -1 | -/B | -B | 1 | |
| $\chi_{31}^{(11)}$ | -/B | -B | 1 | -/B | -B | 1 | -B | 1 | -/B | B | -1 | /B | /B | B | -1 | /B | B | -1 | -B | -/B | 1 | -/B | -B | 1 | |
| $\chi_{31}^{(12)}$ | -B | -/B | 1 | -B | -/B | 1 | -/B | 1 | -B | /B | -1 | B | B | /B | -1 | B | /B | -1 | -/B | -B | 1 | -B | -/B | 1 | |
| $\chi_{31}^{(13)}$ | -B | -/B | 1 | B | /B | -1 | -/B | 1 | -B | -/B | 1 | -B | B | /B | -1 | B | /B | -1 | /B | B | -1 | B | /B | -1 | |
| $\chi_{31}^{(14)}$ | -/B | -B | 1 | /B | B | -1 | -B | 1 | -/B | -B | 1 | -/B | /B | B | -1 | /B | B | -1 | B | /B | -1 | /B | B | -1 | |
| $\chi_{31}^{(15)}$ | -/B | -B | 1 | /B | B | -1 | B | -1 | /B | B | -1 | /B | /B | B | -1 | /B | B | -1 | -B | -/B | 1 | /B | B | -1 | |

| | 30 | | | | | | | | | | | | 40 | | | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{31}^{(16)}$ | -B | -/B | 1 | B | /B | -1 | /B | -1 | B | /B | -1 | B | B | /B | -1 | B | /B | -1 | -/B | -B | 1 | B | /B | -1 |
| $\chi_{31}^{(17)}$ | -B | -/B | 1 | B | /B | -1 | -/B | 1 | -B | /B | -1 | B | -B | -/B | 1 | -B | -/B | 1 | /B | B | -1 | B | /B | -1 |
| $\chi_{31}^{(18)}$ | -/B | -B | 1 | /B | B | -1 | -B | 1 | -/B | B | -1 | /B | -/B | -B | 1 | -/B | -B | 1 | B | /B | -1 | /B | B | -1 |
| $\chi_{31}^{(19)}$ | -/B | -B | 1 | /B | B | -1 | B | -1 | /B | -B | 1 | -/B | -/B | -B | 1 | -/B | -B | 1 | -B | -/B | 1 | /B | B | -1 |
| $\chi_{31}^{(20)}$ | -B | -/B | 1 | B | /B | -1 | /B | -1 | B | -/B | 1 | -B | -B | -/B | 1 | -B | -/B | 1 | -/B | -B | 1 | B | /B | -1 |
| $\chi_{31}^{(21)}$ | -B | -/B | 1 | -B | -/B | 1 | /B | -1 | B | /B | -1 | B | -B | -/B | 1 | -B | -/B | 1 | /B | B | -1 | -B | -/B | 1 |
| $\chi_{31}^{(22)}$ | -/B | -B | 1 | -/B | -B | 1 | B | -1 | /B | B | -1 | /B | -/B | -B | 1 | -/B | -B | 1 | B | /B | -1 | -/B | -B | 1 |
| $\chi_{31}^{(23)}$ | -/B | -B | 1 | -/B | -B | 1 | -B | 1 | -/B | -B | 1 | -/B | -/B | -B | 1 | -/B | -B | 1 | -B | -/B | 1 | -/B | -B | 1 |
| $\chi_{31}^{(24)}$ | -B | -/B | 1 | -B | -/B | 1 | -/B | 1 | -B | -/B | 1 | -B | -B | -/B | 1 | -B | -/B | 1 | -/B | -B | 1 | -B | -/B | 1 |
| $\chi_{31}^{(25)}$ | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(26)}$ | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(27)}$ | -1 | -1 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 1 | -2 | 1 | . | . | . | . |
| $\chi_{31}^{(28)}$ | -1 | -1 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | 2 | -1 | . | . | . | . |
| $\chi_{31}^{(29)}$ | -1 | -1 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 1 | -2 | 1 | . | . | . | . |
| $\chi_{31}^{(30)}$ | -1 | -1 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | 2 | -1 | . | . | . | . |
| $\chi_{31}^{(31)}$ | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | . |
| $\chi_{31}^{(32)}$ | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . |
| $\chi_{31}^{(33)}$ | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 |
| $\chi_{31}^{(34)}$ | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 |
| $\chi_{31}^{(35)}$ | -/D | -D | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(36)}$ | -D | -/D | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(37)}$ | -/D | -D | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(38)}$ | -D | -/D | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(39)}$ | 1 | 1 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | . | -A | . | . | . |
| $\chi_{31}^{(40)}$ | 1 | 1 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | A | . | A | . | . | . |
| $\chi_{31}^{(41)}$ | -/B | -B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/C | . | A | . | . | . |
| $\chi_{31}^{(42)}$ | -B | -/B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -C | . | -A | . | . | . |
| $\chi_{31}^{(43)}$ | -/B | -B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /C | . | -A | . | . | . |
| $\chi_{31}^{(44)}$ | -B | -/B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | C | . | A | . | . | . |
| $\chi_{31}^{(45)}$ | 1 | 1 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | . | -A | . | . | . |
| $\chi_{31}^{(46)}$ | 1 | 1 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | A | . | A | . | . | . |
| $\chi_{31}^{(47)}$ | -/B | -B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/C | . | A | . | . | . |
| $\chi_{31}^{(48)}$ | -B | -/B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -C | . | -A | . | . | . |
| $\chi_{31}^{(49)}$ | -/B | -B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /C | . | -A | . | . | . |
| $\chi_{31}^{(50)}$ | -B | -/B | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | C | . | A | . | . | . |
| $\chi_{31}^{(51)}$ | /B | B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | /D | -1 | . | . | . |
| $\chi_{31}^{(52)}$ | B | /B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /B | D | -1 | . | . | . |
| $\chi_{31}^{(53)}$ | /B | B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | -/D | 1 | . | . | . |
| $\chi_{31}^{(54)}$ | B | /B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/B | -D | 1 | . | . | . |
| $\chi_{31}^{(55)}$ | /B | B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | /D | -1 | . | . | . |
| $\chi_{31}^{(56)}$ | B | /B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /B | D | -1 | . | . | . |
| $\chi_{31}^{(57)}$ | /B | B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | -/D | 1 | . | . | . |
| $\chi_{31}^{(58)}$ | B | /B | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/B | -D | 1 | . | . | . |
| $\chi_{31}^{(59)}$ | -/D | -D | -2 | . | . | . | . | . | . | . | . | . | /D | D | 2 | -/D | -D | -2 | . | . | . | . | . | . |
| $\chi_{31}^{(60)}$ | -D | -/D | -2 | . | . | . | . | . | . | . | . | . | D | /D | 2 | -D | -/D | -2 | . | . | . | . | . | . |

| | 30 | | | | | | | | | | 40 | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|
| $\chi_{31}^{(61)}$ | -/D | -D | -2 | . | . | . | . | . | . | . | -/D | -D | -2 | /D | D | 2 | . | . | . | . |
| $\chi_{31}^{(62)}$ | -D | -/D | -2 | . | . | . | . | . | . | . | -D | -/D | -2 | D | /D | 2 | . | . | . | . |
| $\chi_{31}^{(63)}$ | /D | D | 2 | /D | D | 2 | . | . | . | . | . | . | . | . | . | . | -/D | -D | -2 | . |
| $\chi_{31}^{(64)}$ | D | /D | 2 | D | /D | 2 | . | . | . | . | . | . | . | . | . | . | -D | -/D | -2 | . |
| $\chi_{31}^{(65)}$ | /D | D | 2 | -/D | -D | -2 | . | . | . | . | . | . | . | . | . | . | /D | D | 2 | . |
| $\chi_{31}^{(66)}$ | D | /D | 2 | -D | -/D | -2 | . | . | . | . | . | . | . | . | . | . | D | /D | 2 | . |
| $\chi_{31}^{(67)}$ | -2 | -2 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(68)}$ | 2 | 2 | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(69)}$ | -/D | -D | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(70)}$ | -D | -/D | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(71)}$ | /D | D | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(72)}$ | D | /D | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{31}^{(1)}$ | 50 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{31}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{31}^{(3)}$ | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{31}^{(4)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{31}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{31}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{31}^{(7)}$ | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{31}^{(8)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{31}^{(9)}$ | -/B | -B | 1 | -/B | -B | /B | B | 1 | -B | -1 | B | -/B | -B | 1 | -B | B | -B | 1 | -1 | -/B |
| $\chi_{31}^{(10)}$ | -B | -/B | 1 | -B | -/B | B | /B | 1 | -/B | -1 | /B | -B | -/B | 1 | -/B | /B | -/B | 1 | -1 | -B |
| $\chi_{31}^{(11)}$ | B | /B | -1 | -B | -/B | B | /B | 1 | -/B | -1 | /B | -B | -/B | 1 | -/B | -/B | /B | 1 | -1 | -B |
| $\chi_{31}^{(12)}$ | /B | B | -1 | -/B | -B | /B | B | 1 | -B | -1 | B | -/B | -B | 1 | -B | -B | B | 1 | -1 | -/B |
| $\chi_{31}^{(13)}$ | /B | B | -1 | -/B | -B | -/B | -B | 1 | -B | 1 | -B | -/B | -B | 1 | -B | B | B | 1 | 1 | -/B |
| $\chi_{31}^{(14)}$ | B | /B | -1 | -B | -/B | -B | -/B | 1 | -/B | 1 | -/B | -B | -/B | 1 | -/B | /B | /B | 1 | 1 | -B |
| $\chi_{31}^{(15)}$ | -B | -/B | 1 | -B | -/B | -B | -/B | 1 | -/B | 1 | -/B | -B | -/B | 1 | -/B | -/B | -/B | 1 | 1 | -B |
| $\chi_{31}^{(16)}$ | -/B | -B | 1 | -/B | -B | -/B | -B | 1 | -B | 1 | -B | -/B | -B | 1 | -B | -B | -B | 1 | 1 | -/B |
| $\chi_{31}^{(17)}$ | -/B | -B | 1 | -/B | -B | /B | B | 1 | -B | -1 | B | -/B | -B | 1 | -B | B | -B | 1 | -1 | -/B |
| $\chi_{31}^{(18)}$ | -B | -/B | 1 | -B | -/B | B | /B | 1 | -/B | -1 | /B | -B | -/B | 1 | -/B | /B | -/B | 1 | -1 | -B |
| $\chi_{31}^{(19)}$ | B | /B | -1 | -B | -/B | B | /B | 1 | -/B | -1 | /B | -B | -/B | 1 | -/B | -/B | /B | 1 | -1 | -B |
| $\chi_{31}^{(20)}$ | /B | B | -1 | -/B | -B | /B | B | 1 | -B | -1 | B | -/B | -B | 1 | -B | -B | B | 1 | -1 | -/B |
| $\chi_{31}^{(21)}$ | /B | B | -1 | -/B | -B | -/B | -B | 1 | -B | 1 | -B | -/B | -B | 1 | -B | B | B | 1 | 1 | -/B |
| $\chi_{31}^{(22)}$ | B | /B | -1 | -B | -/B | -B | -/B | 1 | -/B | 1 | -/B | -B | -/B | 1 | -/B | /B | /B | 1 | 1 | -B |
| $\chi_{31}^{(23)}$ | -B | -/B | 1 | -B | -/B | -B | -/B | 1 | -/B | 1 | -/B | -B | -/B | 1 | -/B | -/B | -/B | 1 | 1 | -B |
| $\chi_{31}^{(24)}$ | -/B | -B | 1 | -/B | -B | -/B | -B | 1 | -B | 1 | -B | -/B | -B | 1 | -B | -B | -B | 1 | 1 | -/B |
| $\chi_{31}^{(25)}$ | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | -2 | -2 | . | . | 2 | 2 | -2 |
| $\chi_{31}^{(26)}$ | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | 2 | -2 | -2 |
| $\chi_{31}^{(27)}$ | 1 | -2 | 1 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | 1 | 1 | 2 | 2 | 2 |
| $\chi_{31}^{(28)}$ | -1 | 2 | -1 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | 2 | -1 | -1 | 2 | 2 | 2 |
| $\chi_{31}^{(29)}$ | -1 | 2 | -1 | -1 | 2 | 1 | -2 | -1 | 2 | 1 | -2 | -1 | 2 | -1 | 2 | 1 | -1 | 2 | -2 | 2 |
| $\chi_{31}^{(30)}$ | 1 | -2 | 1 | -1 | 2 | 1 | -2 | -1 | 2 | 1 | -2 | -1 | 2 | -1 | 2 | -1 | 1 | 2 | -2 | 2 |
| $\chi_{31}^{(31)}$ | . | . | . | -2 | -2 | . | . | 2 | 2 | . | . | 2 | 2 | -2 | -2 | . | . | -2 | . | 2 |
| $\chi_{31}^{(32)}$ | . | . | . | -2 | -2 | . | . | 2 | 2 | . | . | 2 | 2 | -2 | -2 | . | . | -2 | . | 2 |
| $\chi_{31}^{(33)}$ | . | . | . | -2 | -2 | . | . | -2 | -2 | . | . | 2 | 2 | 2 | 2 | . | . | -2 | . | -2 |

| | 50 | | | | 60 | | | | | | | | | | | | 70 | | | | | | |
|--------------------|-----|-----|----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|-----|
| $\chi_{31}^{(34)}$ | . | . | . | -2 | -2 | . | . | -2 | -2 | . | . | 2 | 2 | 2 | 2 | . | . | -2 | . | -2 | . | . | 2 |
| $\chi_{31}^{(35)}$ | . | . | . | D | /D | D | /D | -2 | -/D | -2 | -/D | D | /D | -2 | -/D | . | . | 2 | 2 | -D | -D | . | -D |
| $\chi_{31}^{(36)}$ | . | . | . | /D | D | /D | D | -2 | -D | -2 | -D | /D | D | -2 | -D | . | . | 2 | 2 | -/D | -/D | . | -/D |
| $\chi_{31}^{(37)}$ | . | . | . | D | /D | -D | -/D | -2 | -/D | 2 | /D | D | /D | -2 | -/D | . | . | 2 | -2 | -D | D | . | -D |
| $\chi_{31}^{(38)}$ | . | . | . | /D | D | -/D | -D | -2 | -D | 2 | D | /D | D | -2 | -D | . | . | 2 | -2 | -/D | /D | . | -/D |
| $\chi_{31}^{(39)}$ | -A | . | -A | -1 | 2 | -1 | 2 | 1 | -2 | 1 | -2 | -1 | 2 | 1 | -2 | A | A | 2 | 2 | -2 | -2 | . | -2 |
| $\chi_{31}^{(40)}$ | A | . | A | -1 | 2 | -1 | 2 | 1 | -2 | 1 | -2 | -1 | 2 | 1 | -2 | -A | -A | 2 | 2 | -2 | -2 | . | -2 |
| $\chi_{31}^{(41)}$ | -/C | . | A | B | /D | B | /D | 1 | -/D | 1 | -/D | B | /D | 1 | -/D | -C | -C | 2 | 2 | -D | -D | . | -D |
| $\chi_{31}^{(42)}$ | -C | . | -A | /B | D | /B | D | 1 | -D | 1 | -D | /B | D | 1 | -D | -/C | -/C | 2 | 2 | -/D | -/D | . | -/D |
| $\chi_{31}^{(43)}$ | /C | . | -A | B | /D | B | /D | 1 | -/D | 1 | -/D | B | /D | 1 | -/D | C | C | 2 | 2 | -D | -D | . | -D |
| $\chi_{31}^{(44)}$ | C | . | A | /B | D | /B | D | 1 | -D | 1 | -D | /B | D | 1 | -D | /C | /C | 2 | 2 | -/D | -/D | . | -/D |
| $\chi_{31}^{(45)}$ | A | . | A | -1 | 2 | 1 | -2 | 1 | -2 | -1 | 2 | -1 | 2 | 1 | -2 | A | -A | 2 | -2 | -2 | 2 | . | -2 |
| $\chi_{31}^{(46)}$ | -A | . | -A | -1 | 2 | 1 | -2 | 1 | -2 | -1 | 2 | -1 | 2 | 1 | -2 | -A | A | 2 | -2 | -2 | 2 | . | -2 |
| $\chi_{31}^{(47)}$ | /C | . | -A | B | /D | -B | -/D | 1 | -/D | -1 | /D | B | /D | 1 | -/D | -C | C | 2 | -2 | -D | D | . | -D |
| $\chi_{31}^{(48)}$ | C | . | A | /B | D | -/B | -D | 1 | -D | -1 | D | /B | D | 1 | -D | -/C | /C | 2 | -2 | -/D | /D | . | -/D |
| $\chi_{31}^{(49)}$ | -/C | . | A | B | /D | -B | -/D | 1 | -/D | -1 | /D | B | /D | 1 | -/D | C | -C | 2 | -2 | -D | D | . | -D |
| $\chi_{31}^{(50)}$ | -C | . | -A | /B | D | -/B | -D | 1 | -D | -1 | D | /B | D | 1 | -D | /C | -/C | 2 | -2 | -/D | /D | . | -/D |
| $\chi_{31}^{(51)}$ | B | /D | -1 | B | /D | B | /D | -1 | /D | -1 | /D | B | /D | -1 | /D | /B | /B | 2 | 2 | D | D | D | D |
| $\chi_{31}^{(52)}$ | /B | D | -1 | /B | D | /B | D | -1 | D | -1 | D | /B | D | -1 | D | B | B | 2 | 2 | /D | /D | /D | /D |
| $\chi_{31}^{(53)}$ | -B | -/D | 1 | B | /D | B | /D | -1 | /D | -1 | /D | B | /D | -1 | /D | -/B | -/B | 2 | 2 | D | D | -D | D |
| $\chi_{31}^{(54)}$ | -/B | -D | 1 | /B | D | /B | D | -1 | D | -1 | D | /B | D | -1 | D | -B | -B | 2 | 2 | /D | /D | -/D | /D |
| $\chi_{31}^{(55)}$ | -B | -/D | 1 | B | /D | -B | -/D | -1 | /D | 1 | -/D | B | /D | -1 | /D | /B | -/B | 2 | -2 | D | -D | D | D |
| $\chi_{31}^{(56)}$ | -/B | -D | 1 | /B | D | -/B | -D | -1 | D | 1 | -D | /B | D | -1 | D | B | -B | 2 | -2 | /D | -/D | /D | /D |
| $\chi_{31}^{(57)}$ | B | /D | -1 | B | /D | -B | -/D | -1 | /D | 1 | -/D | B | /D | -1 | /D | -/B | /B | 2 | -2 | D | -D | -D | D |
| $\chi_{31}^{(58)}$ | /B | D | -1 | /B | D | -/B | -D | -1 | D | 1 | -D | /B | D | -1 | D | -B | B | 2 | -2 | /D | -/D | -/D | /D |
| $\chi_{31}^{(59)}$ | . | . | . | -D | -/D | . | . | 2 | /D | . | . | D | /D | -2 | -/D | . | . | -2 | . | D | . | . | -D |
| $\chi_{31}^{(60)}$ | . | . | . | -/D | -D | . | . | 2 | D | . | . | /D | D | -2 | -D | . | . | -2 | . | /D | . | . | -/D |
| $\chi_{31}^{(61)}$ | . | . | . | -D | -/D | . | . | 2 | /D | . | . | D | /D | -2 | -/D | . | . | -2 | . | D | . | . | -D |
| $\chi_{31}^{(62)}$ | . | . | . | -/D | -D | . | . | 2 | D | . | . | /D | D | -2 | -D | . | . | -2 | . | /D | . | . | -/D |
| $\chi_{31}^{(63)}$ | . | . | . | -D | -/D | . | . | -2 | -/D | . | . | D | /D | 2 | /D | . | . | -2 | . | -D | . | . | D |
| $\chi_{31}^{(64)}$ | . | . | . | -/D | -D | . | . | -2 | -D | . | . | /D | D | 2 | D | . | . | -2 | . | -/D | . | . | /D |
| $\chi_{31}^{(65)}$ | . | . | . | -D | -/D | . | . | -2 | -/D | . | . | D | /D | 2 | /D | . | . | -2 | . | -D | . | . | D |
| $\chi_{31}^{(66)}$ | . | . | . | -/D | -D | . | . | -2 | -D | . | . | /D | D | 2 | D | . | . | -2 | . | -/D | . | . | /D |
| $\chi_{31}^{(67)}$ | . | . | . | 2 | -4 | . | . | 2 | -4 | . | . | -2 | 4 | -2 | 4 | . | . | -4 | . | -4 | . | . | 4 |
| $\chi_{31}^{(68)}$ | . | . | . | 2 | -4 | . | . | -2 | 4 | . | . | -2 | 4 | 2 | -4 | . | . | -4 | . | 4 | . | . | -4 |
| $\chi_{31}^{(69)}$ | . | . | . | D | /E | . | . | 2 | /E | . | . | -D | -/E | -2 | -/E | . | . | -4 | . | E | . | . | -E |
| $\chi_{31}^{(70)}$ | . | . | . | /D | E | . | . | 2 | E | . | . | -/D | -E | -2 | -E | . | . | -4 | . | /E | . | . | -/E |
| $\chi_{31}^{(71)}$ | . | . | . | D | /E | . | . | -2 | -/E | . | . | -D | -/E | 2 | /E | . | . | -4 | . | -E | . | . | E |
| $\chi_{31}^{(72)}$ | . | . | . | /D | E | . | . | -2 | -E | . | . | -/D | -E | 2 | E | . | . | -4 | . | -/E | . | . | /E |

where $A = -E(3) + E(3)^2 = -ER(-3) = -i3$, $B = -E(3) = (1 - ER(-3))/2 = -b3$, $C = 2^*E(3) + E(3)^2 = (-3 + ER(-3))/2 = -1 + b3$, $D = 2^*E(3) = -1 + ER(-3) = 2b3$, $E = -4^*E(3) = 2 - 2^*ER(-3) = -4b3$.

The generators of $G^{s_{32}}$ are:

[illegible]

The character table of $G^{s_{32}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|----|---|----|----|---|----|----|----|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|----|
| $\chi_{31}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(9)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{31}^{(10)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(11)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(12)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(13)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(14)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(15)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(16)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(17)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(18)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(19)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(20)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(21)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(22)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(23)}$ | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(24)}$ | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(25)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(26)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(27)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(28)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(29)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(30)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(31)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(32)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(33)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(34)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(35)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{32}^{(36)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 |
| $\chi_{32}^{(37)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{32}^{(38)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | 2 | /B | B | 2 |
| $\chi_{32}^{(39)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | . | . | . | . | . | -2 | -B | -/B | 2 | B | /B | 2 | 2 |
| $\chi_{32}^{(40)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | . | . | . | . | . | -2 | -/B | -B | 2 | /B | B | 2 | 2 |
| $\chi_{32}^{(41)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | . | . | . | . | . | -2 | -B | -/B | 2 | B | /B | 2 | 2 |
| $\chi_{32}^{(42)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | . | . | . | . | . | -2 | -/B | -B | 2 | /B | B | 2 | 2 |
| $\chi_{32}^{(43)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -1 |
| $\chi_{32}^{(44)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -1 |
| $\chi_{32}^{(45)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -1 |

| | 10 | | | | | | | | | | | | | | | 20 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{32}^{(46)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(47)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(48)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(49)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(50)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(51)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(52)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(53)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(54)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(55)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(56)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(57)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(58)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(59)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(60)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(61)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(62)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(63)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | -2 | -B | -/B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{32}^{(64)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | -2 | -/B | -B | 2 | /B | B | 2 | /B | B | 2 |
| $\chi_{32}^{(65)}$ | 2 | B | /B | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | -2 | -B | -/B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{32}^{(66)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | -2 | -/B | -B | 2 | /B | B | 2 | /B | B | 2 |
| $\chi_{32}^{(67)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | -4 | -4 | -4 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(68)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | -4 | -4 | -4 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(69)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(70)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(71)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(72)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(73)}$ | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | 4 |
| $\chi_{32}^{(74)}$ | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | 4 |
| $\chi_{32}^{(75)}$ | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | 4 |
| $\chi_{32}^{(76)}$ | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | 4 |
| $\chi_{32}^{(77)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(78)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(79)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(80)}$ | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 4 |
| $\chi_{32}^{(81)}$ | 4 | C | /C | 4 | C | /C | 4 | C | /C | . | . | . | . | . | . | -4 | -C | -/C | -2 | -B | -/B | -2 | -B | -/B | -2 |
| $\chi_{32}^{(82)}$ | 4 | /C | C | 4 | /C | C | 4 | /C | C | . | . | . | . | . | . | -4 | -/C | -C | -2 | -/B | -B | -2 | -/B | -B | -2 |
| $\chi_{32}^{(83)}$ | 4 | C | /C | 4 | C | /C | 4 | C | /C | . | . | . | . | . | . | -4 | -C | -/C | -2 | -B | -/B | -2 | -B | -/B | -2 |
| $\chi_{32}^{(84)}$ | 4 | /C | C | 4 | /C | C | 4 | /C | C | . | . | . | . | . | . | -4 | -/C | -C | -2 | -/B | -B | -2 | -/B | -B | -2 |
| $\chi_{32}^{(85)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(86)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(87)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(88)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(89)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(90)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | | |
|---------------------|----|----|----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|---|---|----|-----|-----|-----|-----|-----|-----|----|
| $\chi_{32}^{(91)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(92)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(93)}$ | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | 4 | |
| $\chi_{32}^{(94)}$ | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | 4 | |
| $\chi_{32}^{(95)}$ | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | 4 | |
| $\chi_{32}^{(96)}$ | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | 4 | |
| $\chi_{32}^{(97)}$ | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | 4 | |
| $\chi_{32}^{(98)}$ | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | 4 | |
| $\chi_{32}^{(99)}$ | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | 4 | |
| $\chi_{32}^{(100)}$ | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | 4 | |
| $\chi_{32}^{(101)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(102)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(103)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(104)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(105)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(106)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(107)}$ | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | . | . | . | -2 | -B | -/B | 1 | A | /A | 4 |
| $\chi_{32}^{(108)}$ | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | . | . | . | -2 | -/B | -B | 1 | /A | A | 4 |
| $\chi_{32}^{(109)}$ | 8 | 8 | 8 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -4 | -4 | -4 | 8 | |
| $\chi_{32}^{(110)}$ | 8 | 8 | 8 | 2 | 2 | 2 | -4 | -4 | -4 | 4 | 4 | 4 | -2 | -2 | -2 | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -4 |
| $\chi_{32}^{(111)}$ | 8 | 8 | 8 | 2 | 2 | 2 | -4 | -4 | -4 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -4 |
| $\chi_{32}^{(112)}$ | 8 | 8 | 8 | 2 | 2 | 2 | -4 | -4 | -4 | 4 | 4 | 4 | -2 | -2 | -2 | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -4 |
| $\chi_{32}^{(113)}$ | 8 | 8 | 8 | 2 | 2 | 2 | -4 | -4 | -4 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -4 |
| $\chi_{32}^{(114)}$ | 8 | 8 | 8 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | -4 | |
| $\chi_{32}^{(115)}$ | 8 | 8 | 8 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | -4 | |
| $\chi_{32}^{(116)}$ | 8 | D | /D | -4 | -C | -/C | 2 | B | /B | . | . | . | . | . | . | . | . | 2 | B | /B | -4 | -C | -/C | 8 | |
| $\chi_{32}^{(117)}$ | 8 | /D | D | -4 | -/C | -C | 2 | /B | B | . | . | . | . | . | . | . | . | 2 | /B | B | -4 | -/C | -C | 8 | |
| $\chi_{32}^{(118)}$ | 8 | D | /D | 2 | B | /B | -4 | -C | -/C | 4 | C | /C | -2 | -B | -/B | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 |
| $\chi_{32}^{(119)}$ | 8 | /D | D | 2 | /B | B | -4 | -/C | -C | 4 | /C | C | -2 | -/B | -B | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 |
| $\chi_{32}^{(120)}$ | 8 | D | /D | 2 | B | /B | -4 | -C | -/C | -4 | -C | -/C | 2 | B | /B | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 |
| $\chi_{32}^{(121)}$ | 8 | /D | D | 2 | /B | B | -4 | -/C | -C | -4 | -/C | -C | 2 | /B | B | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 |
| $\chi_{32}^{(122)}$ | 8 | D | /D | 2 | B | /B | -4 | -C | -/C | 4 | C | /C | -2 | -B | -/B | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 |
| $\chi_{32}^{(123)}$ | 8 | /D | D | 2 | /B | B | -4 | -/C | -C | 4 | /C | C | -2 | -/B | -B | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 |
| $\chi_{32}^{(124)}$ | 8 | D | /D | 2 | B | /B | -4 | -C | -/C | -4 | -C | -/C | 2 | B | /B | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 |
| $\chi_{32}^{(125)}$ | 8 | /D | D | 2 | /B | B | -4 | -/C | -C | -4 | -/C | -C | 2 | /B | B | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 |
| $\chi_{32}^{(126)}$ | 8 | D | /D | -4 | -C | -/C | 2 | B | /B | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | -4 | |
| $\chi_{32}^{(127)}$ | 8 | /D | D | -4 | -/C | -C | 2 | /B | B | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | -4 | |
| $\chi_{32}^{(128)}$ | 8 | D | /D | -4 | -C | -/C | 2 | B | /B | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | -4 | |
| $\chi_{32}^{(129)}$ | 8 | /D | D | -4 | -/C | -C | 2 | /B | B | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | -4 | |
| $\chi_{32}^{(130)}$ | 8 | 8 | 8 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | -4 | |
| $\chi_{32}^{(131)}$ | 8 | 8 | 8 | -4 | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | -4 | |
| $\chi_{32}^{(132)}$ | 8 | D | /D | -4 | -C | -/C | 2 | B | /B | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | -4 | |
| $\chi_{32}^{(133)}$ | 8 | /D | D | -4 | -/C | -C | 2 | /B | B | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | -4 | |
| $\chi_{32}^{(134)}$ | 8 | D | /D | -4 | -C | -/C | 2 | B | /B | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | -4 | |
| $\chi_{32}^{(135)}$ | 8 | /D | D | -4 | -/C | -C | 2 | /B | B | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | -4 | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|---|---|----|-----|-----|----|-----|-----|----|
| $\chi_{32}^{(46)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(47)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(48)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(49)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(50)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(51)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(52)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(53)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(54)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(55)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(56)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(57)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(58)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(59)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(60)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(61)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(62)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(63)}$ | B | /B | . | . | . | . | . | . | -2 | -B | -/B | . | . | 2 | B | /B | 2 | B | /B | -2 |
| $\chi_{32}^{(64)}$ | /B | B | . | . | . | . | . | . | -2 | -/B | -B | . | . | 2 | /B | B | 2 | /B | B | -2 |
| $\chi_{32}^{(65)}$ | B | /B | . | . | . | . | . | . | -2 | -B | -/B | . | . | -2 | -B | -/B | -2 | -B | -/B | 2 |
| $\chi_{32}^{(66)}$ | /B | B | . | . | . | . | . | . | -2 | -/B | -B | . | . | -2 | -/B | -B | -2 | -/B | -B | 2 |
| $\chi_{32}^{(67)}$ | -2 | -2 | . | . | . | . | . | . | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(68)}$ | -2 | -2 | . | . | . | . | . | . | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(69)}$ | 4 | 4 | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | 2 |
| $\chi_{32}^{(70)}$ | 4 | 4 | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | -2 |
| $\chi_{32}^{(71)}$ | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | -2 |
| $\chi_{32}^{(72)}$ | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | 2 |
| $\chi_{32}^{(73)}$ | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(74)}$ | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(75)}$ | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(76)}$ | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(77)}$ | 4 | 4 | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -2 |
| $\chi_{32}^{(78)}$ | 4 | 4 | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 2 |
| $\chi_{32}^{(79)}$ | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | 1 | 2 |
| $\chi_{32}^{(80)}$ | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | -1 | -2 |
| $\chi_{32}^{(81)}$ | -B | -/B | . | . | . | . | . | . | 2 | B | /B | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(82)}$ | -/B | -B | . | . | . | . | . | . | 2 | /B | B | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(83)}$ | -B | -/B | . | . | . | . | . | . | 2 | B | /B | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(84)}$ | -/B | -B | . | . | . | . | . | . | 2 | /B | B | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(85)}$ | C | /C | -1 | -A | -/A | 2 | B | /B | . | . | . | . | . | 2 | B | /B | -1 | -A | -/A | 2 |
| $\chi_{32}^{(86)}$ | /C | C | -1 | -/A | -A | 2 | /B | B | . | . | . | . | . | 2 | /B | B | -1 | -/A | -A | 2 |
| $\chi_{32}^{(87)}$ | C | /C | -1 | -A | -/A | 2 | B | /B | . | . | . | . | . | -2 | -B | -/B | 1 | A | /A | -2 |
| $\chi_{32}^{(88)}$ | /C | C | -1 | -/A | -A | 2 | /B | B | . | . | . | . | . | -2 | -/B | -B | 1 | /A | A | -2 |
| $\chi_{32}^{(89)}$ | C | /C | 1 | A | /A | -2 | -B | -/B | . | . | . | . | . | -2 | -B | -/B | 1 | A | /A | -2 |
| $\chi_{32}^{(90)}$ | /C | C | 1 | /A | A | -2 | -/B | -B | . | . | . | . | . | -2 | -/B | -B | 1 | /A | A | -2 |

| | 50 | | | | | | | | | | 60 | | | | | | | | | | 70 | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{32}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(2)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(3)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(4)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(5)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(9)}$ | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(10)}$ | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(11)}$ | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(12)}$ | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(13)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(14)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(15)}$ | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(16)}$ | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(17)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(18)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(19)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(20)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(21)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(22)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(23)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | A |
| $\chi_{32}^{(24)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A |
| $\chi_{32}^{(25)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(26)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(27)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(28)}$ | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(29)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(30)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(31)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(32)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(33)}$ | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(34)}$ | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(35)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -B |
| $\chi_{32}^{(36)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -B |
| $\chi_{32}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -B |
| $\chi_{32}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -B |
| $\chi_{32}^{(39)}$ | . | . | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | B |
| $\chi_{32}^{(40)}$ | . | . | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B |
| $\chi_{32}^{(41)}$ | . | . | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | B |
| $\chi_{32}^{(42)}$ | . | . | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B |
| $\chi_{32}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | B |
| $\chi_{32}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B |
| $\chi_{32}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | 2 | B | /B | B |

| | 50 | | | | | | | | | | 60 | | | | | | | | | | 70 | | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|--|--|--|--|--|--|--|
| $\chi_{32}^{(91)}$ | -A | -/A | -4 | -C | -/C | -1 | -A | -/A | -1 | -A | -/A | 2 | B | /B | -2 | -B | -/B | 1 | A | /A | 4 | C | /C | | | | | | | |
| $\chi_{32}^{(92)}$ | -/A | -A | -4 | -/C | -C | -1 | -/A | -A | -1 | -/A | -A | 2 | /B | B | -2 | -/B | -B | 1 | /A | A | 4 | /C | C | | | | | | | |
| $\chi_{32}^{(93)}$ | . | . | 4 | C | /C | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | -2 | -B | -/B | 4 | C | /C | | | | | | | |
| $\chi_{32}^{(94)}$ | . | . | 4 | /C | C | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | -2 | -/B | -B | 4 | /C | C | | | | | | | |
| $\chi_{32}^{(95)}$ | . | . | 4 | C | /C | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | -2 | -B | -/B | 4 | C | /C | | | | | | | |
| $\chi_{32}^{(96)}$ | . | . | 4 | /C | C | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | -2 | -/B | -B | 4 | /C | C | | | | | | | |
| $\chi_{32}^{(97)}$ | . | . | -4 | -C | -/C | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | 1 | A | /A | -2 | -B | -/B | 4 | C | /C | | | | | | | |
| $\chi_{32}^{(98)}$ | . | . | -4 | -/C | -C | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | 1 | /A | A | -2 | -/B | -B | 4 | /C | C | | | | | | | |
| $\chi_{32}^{(99)}$ | . | . | -4 | -C | -/C | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | 1 | A | /A | -2 | -B | -/B | 4 | C | /C | | | | | | | |
| $\chi_{32}^{(100)}$ | . | . | -4 | -/C | -C | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | 1 | /A | A | -2 | -/B | -B | 4 | /C | C | | | | | | | |
| $\chi_{32}^{(101)}$ | A | /A | . | . | . | 3 | E | /E | -3 | -E | -/E | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 | -C | -/C | | | | | | | |
| $\chi_{32}^{(102)}$ | /A | A | . | . | . | 3 | /E | E | -3 | -/E | -E | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 | -/C | -C | | | | | | | |
| $\chi_{32}^{(103)}$ | -A | -/A | . | . | . | -3 | -E | -/E | 3 | E | /E | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 | -C | -/C | | | | | | | |
| $\chi_{32}^{(104)}$ | -/A | -A | . | . | . | -3 | -/E | -E | 3 | /E | E | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 | -/C | -C | | | | | | | |
| $\chi_{32}^{(105)}$ | -A | -/A | . | . | . | 3 | E | /E | -3 | -E | -/E | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 | -C | -/C | | | | | | | |
| $\chi_{32}^{(106)}$ | -/A | -A | . | . | . | 3 | /E | E | -3 | -/E | -E | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 | -/C | -C | | | | | | | |
| $\chi_{32}^{(107)}$ | A | /A | . | . | . | -3 | -E | -/E | 3 | E | /E | . | . | . | 2 | B | /B | -1 | -A | -/A | -4 | -C | -/C | | | | | | | |
| $\chi_{32}^{(108)}$ | /A | A | . | . | . | -3 | -/E | -E | 3 | /E | E | . | . | . | 2 | /B | B | -1 | -/A | -A | -4 | -/C | -C | | | | | | | |
| $\chi_{32}^{(109)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 4 | 4 | 4 | -8 | -8 | -8 | | | | | | | |
| $\chi_{32}^{(110)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | -4 | 2 | 2 | 2 | 8 | 8 | 8 | | | | | | | |
| $\chi_{32}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | -4 | 2 | 2 | 2 | 8 | 8 | 8 | | | | | | | |
| $\chi_{32}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | -8 | -8 | -8 | | | | | | | |
| $\chi_{32}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | -8 | -8 | -8 | | | | | | | |
| $\chi_{32}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -4 | -4 | -4 | 8 | 8 | 8 | | | | | | | |
| $\chi_{32}^{(115)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -4 | -4 | -4 | 8 | 8 | 8 | | | | | | | |
| $\chi_{32}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -B | -/B | 4 | C | /C | -8 | -D | -/D | | | | | | | |
| $\chi_{32}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -/B | -B | 4 | /C | C | -8 | -/D | -D | | | | | | | |
| $\chi_{32}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -C | -/C | 2 | B | /B | 8 | D | /D | | | | | | | |
| $\chi_{32}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -/C | -C | 2 | /B | B | 8 | /D | D | | | | | | | |
| $\chi_{32}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -C | -/C | 2 | B | /B | 8 | D | /D | | | | | | | |
| $\chi_{32}^{(121)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -/C | -C | 2 | /B | B | 8 | /D | D | | | | | | | |
| $\chi_{32}^{(122)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | -8 | -D | -/D | | | | | | | |
| $\chi_{32}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | -8 | -/D | -D | | | | | | | |
| $\chi_{32}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | -8 | -D | -/D | | | | | | | |
| $\chi_{32}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | -8 | -/D | -D | | | | | | | |
| $\chi_{32}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | B | /B | -4 | -C | -/C | 8 | D | /D | | | | | | | |
| $\chi_{32}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | /B | B | -4 | -/C | -C | 8 | /D | D | | | | | | | |
| $\chi_{32}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | B | /B | -4 | -C | -/C | 8 | D | /D | | | | | | | |
| $\chi_{32}^{(129)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | /B | B | -4 | -/C | -C | 8 | /D | D | | | | | | | |
| $\chi_{32}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 4 | 4 | 4 | -8 | -8 | -8 | | | | | | | |
| $\chi_{32}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 4 | 4 | 4 | -8 | -8 | -8 | | | | | | | |
| $\chi_{32}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -B | -/B | 4 | C | /C | -8 | -D | -/D | | | | | | | |
| $\chi_{32}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -/B | -B | 4 | /C | C | -8 | -/D | -D | | | | | | | |
| $\chi_{32}^{(134)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -B | -/B | 4 | C | /C | -8 | -D | -/D | | | | | | | |
| $\chi_{32}^{(135)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -/B | -B | 4 | /C | C | -8 | -/D | -D | | | | | | | |

| | 80 | | | | | | | | | | 90 | | | | | | | | | |
|--------------------|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|
| $\chi_{32}^{(46)}$ | 2 | /B | B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A |
| $\chi_{32}^{(47)}$ | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A |
| $\chi_{32}^{(48)}$ | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A |
| $\chi_{32}^{(49)}$ | -2 | -B | -/B | -2 | -B | -/B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A |
| $\chi_{32}^{(50)}$ | -2 | -/B | -B | -2 | -/B | -B | 2 | /B | B | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A |
| $\chi_{32}^{(51)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(52)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(53)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(54)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(55)}$ | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A |
| $\chi_{32}^{(56)}$ | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A |
| $\chi_{32}^{(57)}$ | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A |
| $\chi_{32}^{(58)}$ | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A |
| $\chi_{32}^{(59)}$ | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A |
| $\chi_{32}^{(60)}$ | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -A |
| $\chi_{32}^{(61)}$ | 2 | B | /B | 2 | B | /B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A |
| $\chi_{32}^{(62)}$ | 2 | /B | B | 2 | /B | B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -A |
| $\chi_{32}^{(63)}$ | . | . | . | . | . | . | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | . | . |
| $\chi_{32}^{(64)}$ | . | . | . | . | . | . | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | . | . |
| $\chi_{32}^{(65)}$ | . | . | . | . | . | . | 2 | B | /B | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | . | . |
| $\chi_{32}^{(66)}$ | . | . | . | . | . | . | 2 | /B | B | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | . | . |
| $\chi_{32}^{(67)}$ | . | . | . | . | . | . | -4 | -4 | -4 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . |
| $\chi_{32}^{(68)}$ | . | . | . | . | . | . | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . |
| $\chi_{32}^{(69)}$ | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 |
| $\chi_{32}^{(70)}$ | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 |
| $\chi_{32}^{(71)}$ | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(72)}$ | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{32}^{(73)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . |
| $\chi_{32}^{(74)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . |
| $\chi_{32}^{(75)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . |
| $\chi_{32}^{(76)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . |
| $\chi_{32}^{(77)}$ | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 |
| $\chi_{32}^{(78)}$ | 1 | 1 | 1 | -2 | -2 | -2 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 |
| $\chi_{32}^{(79)}$ | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(80)}$ | -1 | -1 | -1 | 2 | 2 | 2 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{32}^{(81)}$ | . | . | . | . | . | . | -4 | -C | -/C | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | . | . |
| $\chi_{32}^{(82)}$ | . | . | . | . | . | . | -4 | -/C | -C | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | . | . |
| $\chi_{32}^{(83)}$ | . | . | . | . | . | . | 4 | C | /C | 2 | B | /B | 2 | B | /B | 2 | B | /B | . | . |
| $\chi_{32}^{(84)}$ | . | . | . | . | . | . | 4 | /C | C | 2 | /B | B | 2 | /B | B | 2 | /B | B | . | . |
| $\chi_{32}^{(85)}$ | -1 | -A | -/A | 2 | B | /B | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B |
| $\chi_{32}^{(86)}$ | -1 | -/A | -A | 2 | /B | B | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B |
| $\chi_{32}^{(87)}$ | -1 | -A | -/A | 2 | B | /B | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B |
| $\chi_{32}^{(88)}$ | -1 | -/A | -A | 2 | /B | B | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B |
| $\chi_{32}^{(89)}$ | 1 | A | /A | -2 | -B | -/B | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B |
| $\chi_{32}^{(90)}$ | 1 | /A | A | -2 | -/B | -B | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B |

| | 80 | | | | | | | | | | | | 90 | | | | | | | | | | | |
|---------------------|----|-----|-----|----|-----|-----|---|---|---|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|--|
| $\chi_{32}^{(91)}$ | 1 | A | /A | -2 | -B | -/B | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | |
| $\chi_{32}^{(92)}$ | 1 | /A | A | -2 | -/B | -B | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | |
| $\chi_{32}^{(93)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(94)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |
| $\chi_{32}^{(95)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(96)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |
| $\chi_{32}^{(97)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(98)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |
| $\chi_{32}^{(99)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(100)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |
| $\chi_{32}^{(101)}$ | 1 | A | /A | -2 | -B | -/B | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | -2 | -B | -/B | 1 | A | |
| $\chi_{32}^{(102)}$ | 1 | /A | A | -2 | -/B | -B | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | -2 | -/B | -B | 1 | /A | |
| $\chi_{32}^{(103)}$ | 1 | A | /A | -2 | -B | -/B | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | -2 | -B | -/B | 1 | A | |
| $\chi_{32}^{(104)}$ | 1 | /A | A | -2 | -/B | -B | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | -2 | -/B | -B | 1 | /A | |
| $\chi_{32}^{(105)}$ | -1 | -A | -/A | 2 | B | /B | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | -1 | -A | |
| $\chi_{32}^{(106)}$ | -1 | -/A | -A | 2 | /B | B | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | -1 | -/A | |
| $\chi_{32}^{(107)}$ | -1 | -A | -/A | 2 | B | /B | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | -1 | -A | |
| $\chi_{32}^{(108)}$ | -1 | -/A | -A | 2 | /B | B | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | -1 | -/A | |
| $\chi_{32}^{(109)}$ | . | . | . | . | . | . | . | . | . | -8 | -8 | -8 | 4 | 4 | 4 | -2 | -2 | -2 | . | . | . | . | . | |
| $\chi_{32}^{(110)}$ | -2 | -2 | -2 | 4 | 4 | 4 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | |
| $\chi_{32}^{(111)}$ | 2 | 2 | 2 | -4 | -4 | -4 | . | . | . | -4 | -4 | -4 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | |
| $\chi_{32}^{(112)}$ | 2 | 2 | 2 | -4 | -4 | -4 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | |
| $\chi_{32}^{(113)}$ | -2 | -2 | -2 | 4 | 4 | 4 | . | . | . | 4 | 4 | 4 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | |
| $\chi_{32}^{(114)}$ | . | . | . | . | . | . | . | . | . | -4 | -4 | -4 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | . | . | |
| $\chi_{32}^{(115)}$ | . | . | . | . | . | . | . | . | . | -4 | -4 | -4 | 2 | 2 | 2 | -1 | -1 | -1 | . | . | . | . | . | |
| $\chi_{32}^{(116)}$ | . | . | . | . | . | . | . | . | . | -8 | -D | -/D | 4 | C | /C | -2 | -B | -/B | . | . | . | . | . | |
| $\chi_{32}^{(117)}$ | . | . | . | . | . | . | . | . | . | -8 | -/D | -D | 4 | /C | C | -2 | -/B | -B | . | . | . | . | . | |
| $\chi_{32}^{(118)}$ | -2 | -B | -/B | 4 | C | /C | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | -2 | -B | -/B | 1 | A | |
| $\chi_{32}^{(119)}$ | -2 | -/B | -B | 4 | /C | C | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | -2 | -/B | -B | 1 | /A | |
| $\chi_{32}^{(120)}$ | 2 | B | /B | -4 | -C | -/C | . | . | . | -4 | -C | -/C | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | -1 | -A | |
| $\chi_{32}^{(121)}$ | 2 | /B | B | -4 | -/C | -C | . | . | . | -4 | -/C | -C | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | -1 | -/A | |
| $\chi_{32}^{(122)}$ | 2 | B | /B | -4 | -C | -/C | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | 2 | B | /B | -1 | -A | |
| $\chi_{32}^{(123)}$ | 2 | /B | B | -4 | -/C | -C | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | 2 | /B | B | -1 | -/A | |
| $\chi_{32}^{(124)}$ | -2 | -B | -/B | 4 | C | /C | . | . | . | 4 | C | /C | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | |
| $\chi_{32}^{(125)}$ | -2 | -/B | -B | 4 | /C | C | . | . | . | 4 | /C | C | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | |
| $\chi_{32}^{(126)}$ | . | . | . | . | . | . | . | . | . | -4 | -C | -/C | 2 | B | /B | -1 | -A | -/A | . | . | . | . | . | |
| $\chi_{32}^{(127)}$ | . | . | . | . | . | . | . | . | . | -4 | -/C | -C | 2 | /B | B | -1 | -/A | -A | . | . | . | . | . | |
| $\chi_{32}^{(128)}$ | . | . | . | . | . | . | . | . | . | -4 | -C | -/C | 2 | B | /B | -1 | -A | -/A | . | . | . | . | . | |
| $\chi_{32}^{(129)}$ | . | . | . | . | . | . | . | . | . | -4 | -/C | -C | 2 | /B | B | -1 | -/A | -A | . | . | . | . | . | |
| $\chi_{32}^{(130)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | |
| $\chi_{32}^{(131)}$ | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | |
| $\chi_{32}^{(132)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(133)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |
| $\chi_{32}^{(134)}$ | . | . | . | . | . | . | . | . | . | 4 | C | /C | -2 | -B | -/B | 1 | A | /A | . | . | . | . | . | |
| $\chi_{32}^{(135)}$ | . | . | . | . | . | . | . | . | . | 4 | /C | C | -2 | -/B | -B | 1 | /A | A | . | . | . | . | . | |

| | 100 | | | | | | | | | | 110 | | | | | | | | | |
|--------------------|-----|----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{32}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(2)}$ | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{32}^{(3)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(4)}$ | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{32}^{(5)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(6)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(8)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(9)}$ | -/A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 |
| $\chi_{32}^{(10)}$ | -A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 |
| $\chi_{32}^{(11)}$ | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | -1 |
| $\chi_{32}^{(12)}$ | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | -1 |
| $\chi_{32}^{(13)}$ | -/A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 |
| $\chi_{32}^{(14)}$ | -A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 |
| $\chi_{32}^{(15)}$ | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | -1 |
| $\chi_{32}^{(16)}$ | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | -1 |
| $\chi_{32}^{(17)}$ | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(18)}$ | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(19)}$ | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(20)}$ | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(21)}$ | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{32}^{(22)}$ | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{32}^{(23)}$ | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(24)}$ | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(25)}$ | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(26)}$ | 2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(27)}$ | . | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(28)}$ | . | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(29)}$ | -1 | -1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(30)}$ | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(31)}$ | 1 | -1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(32)}$ | 1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{32}^{(33)}$ | . | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(34)}$ | . | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(35)}$ | -/B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(36)}$ | -B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(37)}$ | /B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(38)}$ | B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(39)}$ | . | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(40)}$ | . | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(41)}$ | . | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(42)}$ | . | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(43)}$ | -/A | -1 | -A | -/A | -2 | -B | -/B | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{32}^{(44)}$ | -A | -1 | -/A | -A | -2 | -/B | -B | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{32}^{(45)}$ | -/A | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -1 | -A | -/A | -1 |

| | 100 | | | | | | | | | | 110 | | | | | | | | | |
|---------------------|-----|---|---|----|-----|-----|----|-----|-----|---|-----|----|-----|-----|----|-----|-----|---|----|--|
| $\chi_{32}^{(91)}$ | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(92)}$ | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(93)}$ | . | . | . | 2 | B | /B | -1 | -A | -/A | . | . | 2 | B | /B | -1 | -A | -/A | . | 2 | |
| $\chi_{32}^{(94)}$ | . | . | . | 2 | /B | B | -1 | -/A | -A | . | . | 2 | /B | B | -1 | -/A | -A | . | 2 | |
| $\chi_{32}^{(95)}$ | . | . | . | -2 | -B | -/B | 1 | A | /A | . | . | -2 | -B | -/B | 1 | A | /A | . | -2 | |
| $\chi_{32}^{(96)}$ | . | . | . | -2 | -/B | -B | 1 | /A | A | . | . | -2 | -/B | -B | 1 | /A | A | . | -2 | |
| $\chi_{32}^{(97)}$ | . | . | . | 2 | B | /B | -1 | -A | -/A | . | . | 2 | B | /B | -1 | -A | -/A | . | 2 | |
| $\chi_{32}^{(98)}$ | . | . | . | 2 | /B | B | -1 | -/A | -A | . | . | 2 | /B | B | -1 | -/A | -A | . | 2 | |
| $\chi_{32}^{(99)}$ | . | . | . | -2 | -B | -/B | 1 | A | /A | . | . | -2 | -B | -/B | 1 | A | /A | . | -2 | |
| $\chi_{32}^{(100)}$ | . | . | . | -2 | -/B | -B | 1 | /A | A | . | . | -2 | -/B | -B | 1 | /A | A | . | -2 | |
| $\chi_{32}^{(101)}$ | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(102)}$ | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(103)}$ | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(104)}$ | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(105)}$ | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(106)}$ | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(107)}$ | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(108)}$ | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(109)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(110)}$ | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(111)}$ | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(112)}$ | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(113)}$ | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(114)}$ | . | . | . | -4 | -4 | -4 | 2 | 2 | 2 | . | . | 2 | 2 | 2 | -1 | -1 | -1 | . | 2 | |
| $\chi_{32}^{(115)}$ | . | . | . | 4 | 4 | 4 | -2 | -2 | -2 | . | . | -2 | -2 | -2 | 1 | 1 | 1 | . | -2 | |
| $\chi_{32}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(118)}$ | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(119)}$ | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(120)}$ | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(121)}$ | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(122)}$ | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(123)}$ | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(124)}$ | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(125)}$ | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{32}^{(126)}$ | . | . | . | -4 | -C | -/C | 2 | B | /B | . | . | 2 | B | /B | -1 | -A | -/A | . | 2 | |
| $\chi_{32}^{(127)}$ | . | . | . | -4 | -/C | -C | 2 | /B | B | . | . | 2 | /B | B | -1 | -/A | -A | . | 2 | |
| $\chi_{32}^{(128)}$ | . | . | . | 4 | C | /C | -2 | -B | -/B | . | . | -2 | -B | -/B | 1 | A | /A | . | -2 | |
| $\chi_{32}^{(129)}$ | . | . | . | 4 | /C | C | -2 | -/B | -B | . | . | -2 | -/B | -B | 1 | /A | A | . | -2 | |
| $\chi_{32}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | G | G | G | -F | -F | -F | . | -G | |
| $\chi_{32}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | -G | -G | -G | F | F | F | . | G | |
| $\chi_{32}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | G | I | -/I | -F | -H | /H | . | -G | |
| $\chi_{32}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | -G | /I | -I | F | -/H | H | . | G | |
| $\chi_{32}^{(134)}$ | . | . | . | . | . | . | . | . | . | . | . | -G | -I | /I | F | H | -/H | . | G | |
| $\chi_{32}^{(135)}$ | . | . | . | . | . | . | . | . | . | . | . | G | -/I | I | -F | /H | -H | . | -G | |

| | 120 | | | | | | | | 130 | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|
| $\chi_{32}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{32}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{32}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{32}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{32}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{32}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{32}^{(9)}$ | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A |
| $\chi_{32}^{(10)}$ | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A |
| $\chi_{32}^{(11)}$ | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A |
| $\chi_{32}^{(12)}$ | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A |
| $\chi_{32}^{(13)}$ | -A | -/A | -1 | -A | -/A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | 1 | A |
| $\chi_{32}^{(14)}$ | -/A | -A | -1 | -/A | -A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A |
| $\chi_{32}^{(15)}$ | A | /A | 1 | A | /A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | -1 | -A |
| $\chi_{32}^{(16)}$ | /A | A | 1 | /A | A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | -1 | -/A |
| $\chi_{32}^{(17)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 | A | /A | 1 | A |
| $\chi_{32}^{(18)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 | /A | A | 1 | /A |
| $\chi_{32}^{(19)}$ | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A |
| $\chi_{32}^{(20)}$ | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A |
| $\chi_{32}^{(21)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A |
| $\chi_{32}^{(22)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A |
| $\chi_{32}^{(23)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A |
| $\chi_{32}^{(24)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A |
| $\chi_{32}^{(25)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(26)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(27)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(28)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(29)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(30)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(31)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(32)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(33)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(34)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(35)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(36)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(39)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(40)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(41)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(42)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(43)}$ | A | /A | 1 | A | /A | 1 | A | /A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(44)}$ | /A | A | 1 | /A | A | 1 | /A | A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(45)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | . | . | . | . | . | . | . | . |

| | 120 | | | | | | | | 130 | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|-----|-----|----|----|----|----|----|---|---|
| $\chi_{32}^{(46)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(47)}$ | A | /A | 1 | A | /A | -1 | -A | -/A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(48)}$ | /A | A | 1 | /A | A | -1 | -/A | -A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(49)}$ | -A | -/A | -1 | -A | -/A | 1 | A | /A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(50)}$ | -/A | -A | -1 | -/A | -A | 1 | /A | A | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(51)}$ | -F | -F | -F | -F | -F | -F | -F | -F | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(52)}$ | F | F | F | F | F | F | F | F | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(53)}$ | -F | -F | -F | -F | -F | F | F | F | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(54)}$ | F | F | F | F | F | -F | -F | -F | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(55)}$ | -H | /H | -F | -H | /H | -F | -H | /H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(56)}$ | -/H | H | F | -/H | H | F | -/H | H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(57)}$ | H | -/H | F | H | -/H | F | H | -/H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(58)}$ | /H | -H | -F | /H | -H | -F | /H | -H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(59)}$ | -H | /H | -F | -H | /H | F | H | -/H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(60)}$ | -/H | H | F | -/H | H | -F | /H | -H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(61)}$ | H | -/H | F | H | -/H | -F | -H | /H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(62)}$ | /H | -H | -F | /H | -H | F | -/H | H | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(73)}$ | 2 | 2 | -1 | -1 | -1 | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | . | . |
| $\chi_{32}^{(74)}$ | -2 | -2 | 1 | 1 | 1 | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | . | . |
| $\chi_{32}^{(75)}$ | 2 | 2 | -1 | -1 | -1 | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | . | . |
| $\chi_{32}^{(76)}$ | -2 | -2 | 1 | 1 | 1 | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | . | . |
| $\chi_{32}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(85)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(86)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(87)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(88)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(89)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(90)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

| | 120 | | | | | 130 | | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|-----|---|---|----|-----|-----|----|-----|-----|---|
| $\chi_{32}^{(91)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(93)}$ | B | /B | -1 | -A | -/A | . | . | . | -1 | -A | -/A | 2 | B | /B | . |
| $\chi_{32}^{(94)}$ | /B | B | -1 | -/A | -A | . | . | . | -1 | -/A | -A | 2 | /B | B | . |
| $\chi_{32}^{(95)}$ | -B | -/B | 1 | A | /A | . | . | . | 1 | A | /A | -2 | -B | -/B | . |
| $\chi_{32}^{(96)}$ | -/B | -B | 1 | /A | A | . | . | . | 1 | /A | A | -2 | -/B | -B | . |
| $\chi_{32}^{(97)}$ | B | /B | -1 | -A | -/A | . | . | . | 1 | A | /A | -2 | -B | -/B | . |
| $\chi_{32}^{(98)}$ | /B | B | -1 | -/A | -A | . | . | . | 1 | /A | A | -2 | -/B | -B | . |
| $\chi_{32}^{(99)}$ | -B | -/B | 1 | A | /A | . | . | . | -1 | -A | -/A | 2 | B | /B | . |
| $\chi_{32}^{(100)}$ | -/B | -B | 1 | /A | A | . | . | . | -1 | -/A | -A | 2 | /B | B | . |
| $\chi_{32}^{(101)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(102)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(103)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(104)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(105)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(106)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(107)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(108)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(109)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(110)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(114)}$ | 2 | 2 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(115)}$ | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(121)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(122)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(126)}$ | B | /B | -1 | -A | -/A | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(127)}$ | /B | B | -1 | -/A | -A | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(128)}$ | -B | -/B | 1 | A | /A | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(129)}$ | -/B | -B | 1 | /A | A | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(130)}$ | -G | -G | F | F | F | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(131)}$ | G | G | -F | -F | -F | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(132)}$ | -I | /I | F | H | -/H | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(133)}$ | -/I | I | -F | /H | -H | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(134)}$ | I | -/I | -F | -H | /H | . | . | . | . | . | . | . | . | . | . |
| $\chi_{32}^{(135)}$ | /I | I | F | -/H | H | . | . | . | . | . | . | . | . | . | . |

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b3$, $B = 2*E(3)^2 = -1-ER(-3) = -1-i3$, $C = 4*E(3)^2 = -2-2*ER(-3) = -2-2i3$,
 $D = 8*E(3)^2 = -4-4*ER(-3) = -4-4i3$, $E = 3*E(3)^2 = (-3-3*ER(-3))/2 = -3-3b3$, $F = E(3)-E(3)^2 = ER(-3) = i3$, G

The character table of $G^{s_{33}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| $\chi_{33}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{33}^{(2)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{33}^{(3)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{33}^{(4)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{33}^{(5)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 |
| $\chi_{33}^{(6)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{33}^{(7)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{33}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{33}^{(9)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | A | -A | -A | A | -A | A | A | -A | 1 | -1 | -1 | 1 | -A |
| $\chi_{33}^{(10)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -A | A | A | -A | A | -A | -A | A | 1 | -1 | -1 | 1 | A |
| $\chi_{33}^{(11)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | B | -B | -B | B | -/B | /B | /B | -/B | -A | A | A | -A | /B |
| $\chi_{33}^{(12)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -/B | /B | /B | -/B | B | -B | -B | B | A | -A | -A | A | -B |
| $\chi_{33}^{(13)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | /B | -/B | -/B | /B | -B | B | B | -B | A | -A | -A | A | B |
| $\chi_{33}^{(14)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -B | B | B | -B | /B | -/B | -/B | /B | -A | A | A | -A | -/B |
| $\chi_{33}^{(15)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -A | A | A | -A | A | -A | -A | A | -1 | 1 | 1 | -1 | A |
| $\chi_{33}^{(16)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | A | -A | -A | A | -A | A | A | -A | -1 | 1 | 1 | -1 | -A |
| $\chi_{33}^{(17)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -B | B | B | -B | /B | -/B | -/B | /B | A | -A | -A | A | -/B |
| $\chi_{33}^{(18)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | /B | -/B | -/B | /B | -B | B | B | -B | -A | A | A | -A | B |
| $\chi_{33}^{(19)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -/B | /B | /B | -/B | B | -B | -B | B | -A | A | A | -A | -B |
| $\chi_{33}^{(20)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | B | -B | -B | B | -/B | /B | /B | -/B | A | -A | -A | A | /B |
| $\chi_{33}^{(21)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | 1 | 1 | 1 | 1 | -A |
| $\chi_{33}^{(22)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | 1 | 1 | 1 | 1 | A |
| $\chi_{33}^{(23)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | B | B | B | B | -/B | -/B | -/B | -/B | -A | -A | -A | A | /B |
| $\chi_{33}^{(24)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -/B | -/B | -/B | -/B | B | B | B | B | A | A | A | A | -B |
| $\chi_{33}^{(25)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | /B | /B | /B | /B | -B | -B | -B | -B | A | A | A | A | B |
| $\chi_{33}^{(26)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -B | -B | -B | -B | /B | /B | /B | /B | -A | -A | -A | A | -/B |
| $\chi_{33}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | -1 | -1 | -1 | -1 | A |
| $\chi_{33}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | -1 | -1 | -1 | -1 | -A |
| $\chi_{33}^{(29)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -B | -B | -B | -B | /B | /B | /B | /B | A | A | A | A | -/B |
| $\chi_{33}^{(30)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | /B | /B | /B | /B | -B | -B | -B | -B | -A | -A | -A | -A | B |
| $\chi_{33}^{(31)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -/B | -/B | -/B | -/B | B | B | B | B | -A | -A | -A | -A | -B |
| $\chi_{33}^{(32)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | B | B | B | B | -/B | -/B | -/B | -/B | A | A | A | A | /B |
| $\chi_{33}^{(33)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | . | . | -1 | 2 | . | . | -1 | 2 | . | . | -1 | 2 |
| $\chi_{33}^{(34)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | -2 | . | . | 1 | -2 | . | . | 1 | 2 | . | . | -2 |
| $\chi_{33}^{(35)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | -2 | . | . | 1 | -2 | . | . | 1 | 2 | . | . | -2 |
| $\chi_{33}^{(36)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | 2 | . | . | -1 | 2 | . | . | -1 | -2 | . | . | 2 |
| $\chi_{33}^{(37)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | C | . | . | A | -C | . | . | -A | -2 | . | . | -C |
| $\chi_{33}^{(38)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | -C | . | . | -A | C | . | . | A | -2 | . | . | C |
| $\chi_{33}^{(39)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | D | . | . | /B | -/D | . | . | -B | -C | . | . | /D |
| $\chi_{33}^{(40)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | -D | . | . | -/B | /D | . | . | B | -C | . | . | -/D |
| $\chi_{33}^{(41)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | -/D | . | . | -B | D | . | . | /B | C | . | . | -D |
| $\chi_{33}^{(42)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | /D | . | . | B | -D | . | . | -/B | C | . | . | D |
| $\chi_{33}^{(43)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | -C | . | . | -A | C | . | . | A | 2 | . | . | C |
| $\chi_{33}^{(44)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | C | . | . | A | -C | . | . | -A | 2 | . | . | -C |
| $\chi_{33}^{(45)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | /D | . | . | B | -D | . | . | -/B | -C | . | . | D |

| | 10 | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | |
|--------------------|----|----|----|---|----|----|---|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|--|--|
| $\chi_{33}^{(46)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | -/D | . | . | -B | D | . | . | /B | -C | . | . | -A | -C | . | -A | -D | | |
| $\chi_{33}^{(47)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | -D | . | . | -/B | /D | . | . | B | C | . | . | A | C | . | A | -/D | | |
| $\chi_{33}^{(48)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | D | . | . | /B | -/D | . | . | -B | C | . | . | A | C | . | A | /D | | |
| $\chi_{33}^{(49)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | 1 | -1 | 1 | . | 1 | -1 | 1 | . | 1 | -1 | 1 | . | -1 | -1 | . | 1 | | |
| $\chi_{33}^{(50)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | 1 | 1 | -1 | . | 1 | 1 | -1 | . | 1 | 1 | -1 | . | -1 | 1 | . | 1 | | |
| $\chi_{33}^{(51)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | -1 | 1 | -1 | . | -1 | 1 | -1 | . | 1 | -1 | 1 | . | -1 | -1 | . | -1 | | |
| $\chi_{33}^{(52)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | -1 | -1 | 1 | . | -1 | -1 | 1 | . | 1 | 1 | -1 | . | -1 | 1 | . | -1 | | |
| $\chi_{33}^{(53)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | -1 | 1 | -1 | . | -1 | 1 | -1 | . | -1 | 1 | -1 | . | -1 | -1 | . | -1 | | |
| $\chi_{33}^{(54)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | -1 | -1 | 1 | . | -1 | -1 | 1 | . | -1 | -1 | 1 | . | -1 | 1 | . | -1 | | |
| $\chi_{33}^{(55)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | 1 | -1 | 1 | . | 1 | -1 | 1 | . | -1 | 1 | -1 | . | -1 | -1 | . | 1 | | |
| $\chi_{33}^{(56)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | 1 | 1 | -1 | . | 1 | 1 | -1 | . | -1 | -1 | 1 | . | -1 | 1 | . | 1 | | |
| $\chi_{33}^{(57)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | -A | A | -A | . | A | -A | A | . | -1 | 1 | -1 | . | 1 | 1 | . | A | | |
| $\chi_{33}^{(58)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | A | -A | A | . | -A | A | -A | . | -1 | 1 | -1 | . | 1 | 1 | . | -A | | |
| $\chi_{33}^{(59)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | -A | -A | A | . | A | A | -A | . | -1 | -1 | 1 | . | 1 | -1 | . | A | | |
| $\chi_{33}^{(60)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | A | A | -A | . | -A | -A | A | . | -1 | -1 | 1 | . | 1 | -1 | . | -A | | |
| $\chi_{33}^{(61)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | B | B | -B | . | -/B | -/B | /B | . | -A | -A | A | . | -A | A | . | /B | | |
| $\chi_{33}^{(62)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | -B | -B | B | . | /B | /B | -/B | . | -A | -A | A | . | -A | A | . | -/B | | |
| $\chi_{33}^{(63)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | -/B | -/B | /B | . | B | B | -B | . | A | A | -A | . | A | -A | . | -B | | |
| $\chi_{33}^{(64)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | /B | /B | -/B | . | -B | -B | B | . | A | A | -A | . | A | -A | . | B | | |
| $\chi_{33}^{(65)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | B | -B | B | . | -/B | /B | -/B | . | -A | A | -A | . | -A | -A | . | /B | | |
| $\chi_{33}^{(66)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | -B | B | -B | . | /B | -/B | /B | . | -A | A | -A | . | -A | -A | . | -/B | | |
| $\chi_{33}^{(67)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | -/B | /B | -/B | . | B | -B | B | . | A | -A | A | . | A | A | . | -B | | |
| $\chi_{33}^{(68)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | /B | -/B | /B | . | -B | B | -B | . | A | -A | A | . | A | A | . | B | | |
| $\chi_{33}^{(69)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | A | -A | A | . | -A | A | -A | . | 1 | -1 | 1 | . | 1 | 1 | . | -A | | |
| $\chi_{33}^{(70)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | -A | A | -A | . | A | -A | A | . | 1 | -1 | 1 | . | 1 | 1 | . | A | | |
| $\chi_{33}^{(71)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | A | A | -A | . | -A | -A | A | . | 1 | 1 | -1 | . | 1 | -1 | . | -A | | |
| $\chi_{33}^{(72)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | -A | -A | A | . | A | A | -A | . | 1 | 1 | -1 | . | 1 | -1 | . | A | | |
| $\chi_{33}^{(73)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | /B | /B | -/B | . | -B | -B | B | . | -A | -A | A | . | A | -A | . | B | | |
| $\chi_{33}^{(74)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | -/B | -/B | /B | . | B | B | -B | . | -A | -A | A | . | A | -A | . | -B | | |
| $\chi_{33}^{(75)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | -B | -B | B | . | /B | /B | -/B | . | A | A | -A | . | -A | A | . | -/B | | |
| $\chi_{33}^{(76)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | B | B | -B | . | -/B | -/B | /B | . | A | A | -A | . | -A | A | . | /B | | |
| $\chi_{33}^{(77)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | /B | -/B | /B | . | -B | B | -B | . | -A | A | -A | . | A | A | . | B | | |
| $\chi_{33}^{(78)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | -/B | /B | -/B | . | B | -B | B | . | -A | A | -A | . | A | A | . | -B | | |
| $\chi_{33}^{(79)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | -B | B | -B | . | /B | -/B | /B | . | A | -A | A | . | -A | -A | . | -/B | | |
| $\chi_{33}^{(80)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | B | -B | B | . | -/B | /B | -/B | . | A | -A | A | . | -A | -A | . | /B | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|--------------------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|----|----|--|--|--|--|--|--|
| $\chi_{33}^{(46)}$ | . | . | -/B | . | -/D | . | -B | . | /D | . | . | B | -/D | D | . | /B | C | . | . | A | . | D | C | . | | | | | | |
| $\chi_{33}^{(47)}$ | . | . | -B | . | -D | . | -/B | . | D | . | . | /B | -D | /D | . | B | -C | . | . | -A | . | /D | -C | . | | | | | | |
| $\chi_{33}^{(48)}$ | . | . | B | . | D | . | /B | . | -D | . | . | -/B | D | -/D | . | -B | -C | . | . | -A | . | -/D | -C | . | | | | | | |
| $\chi_{33}^{(49)}$ | -1 | 1 | . | 1 | -1 | -1 | . | 1 | 1 | -1 | 1 | . | -3 | -1 | -1 | . | 1 | -1 | 1 | . | 1 | -3 | -1 | -1 | | | | | | |
| $\chi_{33}^{(50)}$ | 1 | -1 | . | -1 | -1 | 1 | . | -1 | 1 | 1 | -1 | . | -3 | -1 | 1 | . | 1 | 1 | -1 | . | -1 | -3 | -1 | 1 | | | | | | |
| $\chi_{33}^{(51)}$ | 1 | -1 | . | 1 | 1 | 1 | . | -1 | -1 | 1 | -1 | . | 3 | 1 | 1 | . | 1 | -1 | 1 | . | -1 | 3 | -1 | -1 | | | | | | |
| $\chi_{33}^{(52)}$ | -1 | 1 | . | -1 | 1 | -1 | . | 1 | -1 | -1 | 1 | . | 3 | 1 | -1 | . | 1 | 1 | -1 | . | 1 | 3 | -1 | 1 | | | | | | |
| $\chi_{33}^{(53)}$ | 1 | -1 | . | 1 | -1 | -1 | . | 1 | -1 | 1 | -1 | . | 3 | -1 | -1 | . | -1 | 1 | -1 | . | 1 | 3 | -1 | -1 | | | | | | |
| $\chi_{33}^{(54)}$ | -1 | 1 | . | -1 | -1 | 1 | . | -1 | -1 | -1 | 1 | . | 3 | -1 | 1 | . | -1 | -1 | 1 | . | -1 | 3 | -1 | 1 | | | | | | |
| $\chi_{33}^{(55)}$ | -1 | 1 | . | 1 | 1 | 1 | . | -1 | 1 | -1 | 1 | . | -3 | 1 | 1 | . | -1 | 1 | -1 | . | -1 | -3 | -1 | -1 | | | | | | |
| $\chi_{33}^{(56)}$ | 1 | -1 | . | -1 | 1 | -1 | . | 1 | 1 | 1 | -1 | . | -3 | 1 | -1 | . | -1 | -1 | 1 | . | 1 | -3 | -1 | 1 | | | | | | |
| $\chi_{33}^{(57)}$ | -A | A | . | -1 | A | A | . | -A | -A | A | -A | . | E | -A | -A | . | -1 | 1 | -1 | . | A | -E | 1 | 1 | | | | | | |
| $\chi_{33}^{(58)}$ | A | -A | . | -1 | -A | -A | . | A | A | -A | A | . | -E | A | A | . | -1 | 1 | -1 | . | -A | E | 1 | 1 | | | | | | |
| $\chi_{33}^{(59)}$ | A | -A | . | 1 | A | -A | . | A | -A | -A | A | . | E | -A | A | . | -1 | -1 | 1 | . | -A | -E | 1 | -1 | | | | | | |
| $\chi_{33}^{(60)}$ | -A | A | . | 1 | -A | A | . | -A | A | A | -A | . | -E | A | -A | . | -1 | -1 | 1 | . | A | E | 1 | -1 | | | | | | |
| $\chi_{33}^{(61)}$ | /B | -/B | . | -A | B | -B | . | B | -B | -B | B | . | F | -/B | /B | . | A | A | -A | . | -/B | -/F | A | -A | | | | | | |
| $\chi_{33}^{(62)}$ | -/B | /B | . | -A | -B | B | . | -B | B | B | -B | . | -F | /B | -/B | . | A | A | -A | . | /B | /F | A | -A | | | | | | |
| $\chi_{33}^{(63)}$ | -B | B | . | A | -/B | /B | . | -/B | /B | /B | -/B | . | -/F | B | -B | . | -A | -A | A | . | B | F | -A | A | | | | | | |
| $\chi_{33}^{(64)}$ | B | -B | . | A | /B | -/B | . | /B | -/B | -/B | /B | . | /F | -B | B | . | -A | -A | A | . | -B | -F | -A | A | | | | | | |
| $\chi_{33}^{(65)}$ | -/B | /B | . | A | B | B | . | -B | -B | B | -B | . | F | -/B | -/B | . | A | -A | A | . | /B | -/F | A | A | | | | | | |
| $\chi_{33}^{(66)}$ | /B | -/B | . | A | -B | -B | . | B | B | -B | B | . | -F | /B | /B | . | A | -A | A | . | -/B | /F | A | A | | | | | | |
| $\chi_{33}^{(67)}$ | B | -B | . | -A | -/B | -/B | . | /B | /B | -/B | /B | . | -/F | B | B | . | -A | A | -A | . | -B | F | -A | -A | | | | | | |
| $\chi_{33}^{(68)}$ | -B | B | . | -A | /B | /B | . | -/B | -/B | /B | -/B | . | /F | -B | -B | . | -A | A | -A | . | B | -F | -A | -A | | | | | | |
| $\chi_{33}^{(69)}$ | A | -A | . | -1 | A | A | . | -A | A | -A | A | . | -E | -A | -A | . | 1 | -1 | 1 | . | A | E | 1 | 1 | | | | | | |
| $\chi_{33}^{(70)}$ | -A | A | . | -1 | -A | -A | . | A | -A | A | -A | . | E | A | A | . | 1 | -1 | 1 | . | -A | -E | 1 | 1 | | | | | | |
| $\chi_{33}^{(71)}$ | -A | A | . | 1 | A | -A | . | A | A | A | -A | . | -E | -A | A | . | 1 | 1 | -1 | . | -A | E | 1 | -1 | | | | | | |
| $\chi_{33}^{(72)}$ | A | -A | . | 1 | -A | A | . | -A | -A | -A | A | . | E | A | -A | . | 1 | 1 | -1 | . | A | -E | 1 | -1 | | | | | | |
| $\chi_{33}^{(73)}$ | B | -B | . | A | -/B | /B | . | -/B | -/B | -/B | /B | . | /F | B | -B | . | A | A | -A | . | B | -F | -A | A | | | | | | |
| $\chi_{33}^{(74)}$ | -B | B | . | A | /B | -/B | . | /B | /B | /B | -/B | . | -/F | -B | B | . | A | A | -A | . | -B | F | -A | A | | | | | | |
| $\chi_{33}^{(75)}$ | -/B | /B | . | -A | B | -B | . | B | B | B | -B | . | -F | -/B | /B | . | -A | -A | A | . | -/B | /F | A | -A | | | | | | |
| $\chi_{33}^{(76)}$ | /B | -/B | . | -A | -B | B | . | -B | -B | -B | B | . | F | /B | -/B | . | -A | -A | A | . | /B | -/F | A | -A | | | | | | |
| $\chi_{33}^{(77)}$ | -B | B | . | -A | -/B | -/B | . | /B | -/B | /B | -/B | . | /F | B | B | . | A | -A | A | . | -B | -F | -A | -A | | | | | | |
| $\chi_{33}^{(78)}$ | B | -B | . | -A | /B | /B | . | -/B | /B | -/B | /B | . | -/F | -B | -B | . | A | -A | A | . | B | F | -A | -A | | | | | | |
| $\chi_{33}^{(79)}$ | /B | -/B | . | A | B | B | . | -B | B | -B | B | . | -F | -/B | -/B | . | -A | A | -A | . | /B | /F | A | A | | | | | | |
| $\chi_{33}^{(80)}$ | -/B | /B | . | A | -B | -B | . | B | -B | B | -B | . | F | /B | /B | . | -A | A | -A | . | -/B | -/F | A | A | | | | | | |

| | 60 | | | | | | | | | | | | | | | | 70 | | | | | | | | | | | |
|--------------------|----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|----|----|----|----|----|---|--|--|
| $\chi_{33}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(2)}$ | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(3)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(4)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(5)}$ | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(6)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | |
| $\chi_{33}^{(7)}$ | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | | |
| $\chi_{33}^{(8)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(9)}$ | -1 | 1 | 1 | A | -A | A | -A | -A | -1 | -A | A | -A | A | -A | A | 1 | A | -1 | A | -A | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(10)}$ | -1 | 1 | 1 | -A | A | -A | A | A | -1 | A | -A | A | -A | A | -A | 1 | -A | -1 | -A | A | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(11)}$ | -A | A | -A | -/B | /B | -/B | /B | /B | A | B | -B | B | -B | -B | -B | A | /B | -A | -/B | B | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(12)}$ | A | -A | A | B | -B | B | -B | -B | -A | -/B | /B | -/B | /B | /B | /B | -A | -B | A | B | -/B | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(13)}$ | A | -A | A | -B | B | -B | B | B | -A | /B | -/B | /B | -/B | -/B | -/B | -A | B | A | -B | /B | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(14)}$ | -A | A | -A | /B | -/B | /B | -/B | -/B | A | -B | B | -B | B | B | B | A | -/B | -A | /B | -B | -1 | 1 | 1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(15)}$ | -1 | 1 | -1 | A | -A | A | -A | A | -1 | -A | A | -A | A | -A | -A | -1 | A | -1 | A | -A | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(16)}$ | -1 | 1 | -1 | -A | A | -A | A | -A | -1 | A | -A | A | -A | A | A | -1 | -A | -1 | -A | A | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(17)}$ | -A | A | A | -/B | /B | -/B | /B | -/B | A | B | -B | B | -B | -B | B | -A | /B | -A | -/B | B | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(18)}$ | A | -A | -A | B | -B | B | -B | B | -A | -/B | /B | -/B | /B | /B | -/B | A | -B | A | B | -/B | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(19)}$ | A | -A | -A | -B | B | -B | B | -B | -A | /B | -/B | /B | -/B | -/B | /B | A | B | A | -B | /B | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(20)}$ | -A | A | A | /B | -/B | /B | -/B | /B | A | -B | B | -B | B | B | -B | -A | -/B | -A | /B | -B | 1 | -1 | -1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(21)}$ | -1 | -1 | 1 | A | A | A | A | -A | -1 | -A | -A | -A | -A | -A | A | 1 | A | -1 | A | -A | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(22)}$ | -1 | -1 | 1 | -A | -A | -A | -A | A | -1 | A | A | A | A | A | -A | 1 | -A | -1 | -A | A | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(23)}$ | -A | -A | -A | -/B | -/B | -/B | -/B | /B | A | B | B | B | B | -B | -B | A | /B | -A | -/B | B | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(24)}$ | A | A | A | B | B | B | B | -B | -A | -/B | -/B | -/B | -/B | /B | /B | -A | -B | A | B | -/B | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(25)}$ | A | A | A | -B | -B | -B | -B | B | -A | /B | /B | /B | /B | -/B | -/B | -A | B | A | -B | /B | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(26)}$ | -A | -A | -A | /B | /B | /B | /B | -/B | A | -B | -B | -B | -B | B | B | A | -/B | -A | /B | -B | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{33}^{(27)}$ | -1 | -1 | -1 | A | A | A | A | A | -1 | -A | -A | -A | -A | -A | -A | -1 | A | -1 | A | -A | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(28)}$ | -1 | -1 | -1 | -A | -A | -A | -A | -A | -1 | A | A | A | A | A | A | -1 | -A | -1 | -A | A | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(29)}$ | -A | -A | A | -/B | -/B | -/B | -/B | -/B | A | B | B | B | B | -B | B | -A | /B | -A | -/B | B | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(30)}$ | A | A | -A | B | B | B | B | B | -A | -/B | -/B | -/B | -/B | /B | -/B | A | -B | A | B | -/B | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(31)}$ | A | A | -A | -B | -B | -B | -B | -B | -A | /B | /B | /B | /B | -/B | /B | A | B | A | -B | /B | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(32)}$ | -A | -A | A | /B | /B | /B | /B | /B | A | -B | -B | -B | -B | B | -B | -A | -/B | -A | /B | -B | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{33}^{(33)}$ | -1 | . | 2 | 2 | . | -1 | . | 2 | 2 | 2 | . | -1 | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(34)}$ | -1 | . | 2 | -2 | . | 1 | . | -2 | 2 | -2 | . | 1 | . | -2 | -2 | 2 | -2 | 2 | -2 | -2 | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(35)}$ | -1 | . | -2 | 2 | . | -1 | . | -2 | 2 | 2 | . | -1 | . | 2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(36)}$ | -1 | . | -2 | -2 | . | 1 | . | 2 | 2 | -2 | . | 1 | . | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(37)}$ | 1 | . | -2 | -C | . | -A | . | -C | -2 | C | . | A | . | C | C | -2 | -C | -2 | -C | C | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(38)}$ | 1 | . | -2 | C | . | A | . | C | -2 | -C | . | -A | . | -C | -C | -2 | C | -2 | C | -C | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(39)}$ | -A | . | -C | -/D | . | -B | . | /D | C | D | . | /B | . | -D | -D | C | /D | -C | -/D | D | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(40)}$ | -A | . | -C | /D | . | B | . | -/D | C | -D | . | -/B | . | D | D | C | -/D | -C | /D | -D | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(41)}$ | A | . | C | D | . | /B | . | -D | -C | -/D | . | -B | . | /D | /D | -C | -D | C | D | -/D | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(42)}$ | A | . | C | -D | . | -/B | . | D | -C | /D | . | B | . | -/D | -/D | -C | D | C | -D | /D | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(43)}$ | 1 | . | 2 | -C | . | -A | . | C | -2 | C | . | A | . | C | -C | 2 | -C | -2 | -C | C | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(44)}$ | 1 | . | 2 | C | . | A | . | -C | -2 | -C | . | -A | . | -C | C | 2 | C | -2 | C | -C | -2 | . | . | 1 | 2 | | | |
| $\chi_{33}^{(45)}$ | A | . | -C | D | . | /B | . | D | -C | -/D | . | -B | . | /D | -/D | C | -D | C | D | -/D | 2 | . | . | -1 | 2 | | | |

| | 60 | | | | | | | | | | | | | | | 70 | | | | | | | | | | | | |
|--------------------|----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|----|----|----|----|----|--|--|--|
| $\chi_{33}^{(46)}$ | A | . | -C | -D | . | -/B | . | -D | -C | /D | . | B | . | -/D | /D | C | D | C | -D | /D | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(47)}$ | -A | . | C | -/D | . | -B | . | -/D | C | D | . | /B | . | -D | D | -C | /D | -C | -/D | D | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(48)}$ | -A | . | C | /D | . | B | . | /D | C | -D | . | -/B | . | D | -D | -C | -/D | -C | /D | -D | 2 | . | . | -1 | 2 | | | |
| $\chi_{33}^{(49)}$ | . | 1 | -3 | -1 | -1 | . | 1 | -3 | 3 | -1 | -1 | . | 1 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(50)}$ | . | -1 | -3 | -1 | 1 | . | -1 | -3 | 3 | -1 | 1 | . | -1 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(51)}$ | . | 1 | -3 | 1 | 1 | . | -1 | 3 | 3 | 1 | 1 | . | -1 | -3 | 3 | -3 | -3 | 3 | -3 | -3 | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(52)}$ | . | -1 | -3 | 1 | -1 | . | 1 | 3 | 3 | 1 | -1 | . | 1 | -3 | 3 | -3 | -3 | 3 | -3 | -3 | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(53)}$ | . | 1 | 3 | -1 | -1 | . | 1 | 3 | 3 | -1 | -1 | . | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(54)}$ | . | -1 | 3 | -1 | 1 | . | -1 | 3 | 3 | -1 | 1 | . | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(55)}$ | . | 1 | 3 | 1 | 1 | . | -1 | -3 | 3 | 1 | 1 | . | -1 | -3 | -3 | 3 | -3 | 3 | -3 | -3 | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(56)}$ | . | -1 | 3 | 1 | -1 | . | 1 | -3 | 3 | 1 | -1 | . | 1 | -3 | -3 | 3 | -3 | 3 | -3 | -3 | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(57)}$ | . | -1 | 3 | -A | -A | . | A | -E | -3 | A | A | . | -A | -E | E | 3 | E | -3 | E | -E | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(58)}$ | . | -1 | 3 | A | A | . | -A | E | -3 | -A | -A | . | A | E | -E | 3 | -E | -3 | -E | E | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(59)}$ | . | 1 | 3 | -A | A | . | -A | -E | -3 | A | -A | . | A | -E | E | 3 | E | -3 | E | -E | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(60)}$ | . | 1 | 3 | A | -A | . | A | E | -3 | -A | A | . | -A | E | -E | 3 | -E | -3 | -E | E | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(61)}$ | . | A | E | /B | -/B | . | /B | /F | E | -B | B | . | -B | F | -F | -E | -/F | -E | /F | -F | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(62)}$ | . | A | E | -/B | /B | . | -/B | -/F | E | B | -B | . | B | -F | F | -E | /F | -E | -/F | F | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(63)}$ | . | -A | -E | -B | B | . | -B | -F | -E | /B | -/B | . | /B | -/F | /F | E | F | E | -F | /F | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(64)}$ | . | -A | -E | B | -B | . | B | F | -E | -/B | /B | . | -/B | /F | -/F | E | -F | E | F | -/F | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(65)}$ | . | -A | E | /B | /B | . | -/B | /F | E | -B | -B | . | B | F | -F | -E | -/F | -E | /F | -F | -1 | 1 | -1 | . | -1 | | | |
| | 60 | | | | | | | | | | | | | | | 70 | | | | | | | | | | | | |
| $\chi_{33}^{(66)}$ | . | -A | E | -/B | -/B | . | /B | -/F | E | B | B | . | -B | -F | F | -E | /F | -E | -/F | F | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(67)}$ | . | A | -E | -B | -B | . | B | -F | -E | /B | /B | . | -/B | -/F | /F | E | F | E | -F | /F | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(68)}$ | . | A | -E | B | B | . | -B | F | -E | -/B | -/B | . | /B | /F | -/F | E | -F | E | F | -/F | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(69)}$ | . | -1 | -3 | -A | -A | . | A | E | -3 | A | A | . | -A | -E | -E | -3 | E | -3 | E | -E | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(70)}$ | . | -1 | -3 | A | A | . | -A | -E | -3 | -A | -A | . | A | E | E | -3 | -E | -3 | -E | E | -1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(71)}$ | . | 1 | -3 | -A | A | . | -A | E | -3 | A | -A | . | A | -E | -E | -3 | E | -3 | E | -E | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(72)}$ | . | 1 | -3 | A | -A | . | A | -E | -3 | -A | A | . | -A | E | E | -3 | -E | -3 | -E | E | -1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(73)}$ | . | -A | E | -B | B | . | -B | F | -E | /B | -/B | . | /B | -/F | -/F | -E | F | E | -F | /F | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(74)}$ | . | -A | E | B | -B | . | B | -F | -E | -/B | /B | . | -/B | /F | /F | -E | -F | E | F | -/F | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(75)}$ | . | A | -E | /B | -/B | . | /B | -/F | E | -B | B | . | -B | F | F | E | -/F | -E | /F | -F | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(76)}$ | . | A | -E | -/B | /B | . | -/B | /F | E | B | -B | . | B | -F | -F | E | /F | -E | -/F | F | 1 | 1 | -1 | . | -1 | | | |
| $\chi_{33}^{(77)}$ | . | A | E | -B | -B | . | B | F | -E | /B | /B | . | -/B | -/F | -/F | -E | F | E | -F | /F | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(78)}$ | . | A | E | B | B | . | -B | -F | -E | -/B | -/B | . | /B | /F | /F | -E | -F | E | F | -/F | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(79)}$ | . | -A | -E | /B | /B | . | -/B | -/F | E | -B | -B | . | B | F | F | E | -/F | -E | /F | -F | 1 | -1 | 1 | . | -1 | | | |
| $\chi_{33}^{(80)}$ | . | -A | -E | -/B | -/B | . | /B | /F | E | B | B | . | -B | -F | -F | E | /F | -E | -/F | F | 1 | -1 | 1 | . | -1 | | | |

| | 80 | | | | |
|--------------------|----|----|----|----|----|
| $\chi_{33}^{(1)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{33}^{(2)}$ | -1 | 1 | -1 | -1 | -1 |
| $\chi_{33}^{(3)}$ | -1 | 1 | -1 | -1 | -1 |
| $\chi_{33}^{(4)}$ | -1 | 1 | -1 | 1 | 1 |
| $\chi_{33}^{(5)}$ | -1 | 1 | -1 | 1 | 1 |
| $\chi_{33}^{(6)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{33}^{(7)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{33}^{(8)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{33}^{(9)}$ | -1 | 1 | -1 | -1 | -1 |
| $\chi_{33}^{(10)}$ | -1 | 1 | -1 | -1 | -1 |
| $\chi_{33}^{(11)}$ | -1 | 1 | -1 | -1 | 1 |
| $\chi_{33}^{(12)}$ | -1 | 1 | -1 | -1 | 1 |
| $\chi_{33}^{(13)}$ | -1 | 1 | -1 | -1 | 1 |
| $\chi_{33}^{(14)}$ | -1 | 1 | -1 | -1 | 1 |
| $\chi_{33}^{(15)}$ | -1 | 1 | -1 | 1 | 1 |
| $\chi_{33}^{(16)}$ | -1 | 1 | -1 | 1 | 1 |
| $\chi_{33}^{(17)}$ | -1 | 1 | -1 | 1 | -1 |
| $\chi_{33}^{(18)}$ | -1 | 1 | -1 | 1 | -1 |
| $\chi_{33}^{(19)}$ | -1 | 1 | -1 | 1 | -1 |
| $\chi_{33}^{(20)}$ | -1 | 1 | -1 | 1 | -1 |
| $\chi_{33}^{(21)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{33}^{(22)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{33}^{(23)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{33}^{(24)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{33}^{(25)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{33}^{(26)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{33}^{(27)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{33}^{(28)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{33}^{(29)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{33}^{(30)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{33}^{(31)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{33}^{(32)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{33}^{(33)}$ | . | -1 | . | 2 | 2 |
| $\chi_{33}^{(34)}$ | . | -1 | . | 2 | 2 |
| $\chi_{33}^{(35)}$ | . | -1 | . | -2 | -2 |
| $\chi_{33}^{(36)}$ | . | -1 | . | -2 | -2 |
| $\chi_{33}^{(37)}$ | . | -1 | . | 2 | 2 |
| $\chi_{33}^{(38)}$ | . | -1 | . | 2 | 2 |
| $\chi_{33}^{(39)}$ | . | -1 | . | -2 | 2 |
| $\chi_{33}^{(40)}$ | . | -1 | . | -2 | 2 |
| $\chi_{33}^{(41)}$ | . | -1 | . | -2 | 2 |
| $\chi_{33}^{(42)}$ | . | -1 | . | -2 | 2 |
| $\chi_{33}^{(43)}$ | . | -1 | . | -2 | -2 |
| $\chi_{33}^{(44)}$ | . | -1 | . | -2 | -2 |
| $\chi_{33}^{(45)}$ | . | -1 | . | 2 | -2 |

| | 80 | | | | |
|--------------------|----|----|----|----|----|
| $\chi_{33}^{(46)}$ | . | -1 | . | 2 | -2 |
| $\chi_{33}^{(47)}$ | . | -1 | . | 2 | -2 |
| $\chi_{33}^{(48)}$ | . | -1 | . | 2 | -2 |
| $\chi_{33}^{(49)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{33}^{(50)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{33}^{(51)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{33}^{(52)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{33}^{(53)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{33}^{(54)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{33}^{(55)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{33}^{(56)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{33}^{(57)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{33}^{(58)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{33}^{(59)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{33}^{(60)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{33}^{(61)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{33}^{(62)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{33}^{(63)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{33}^{(64)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{33}^{(65)}$ | -1 | . | 1 | 3 | 1 |
| $\chi_{33}^{(66)}$ | -1 | . | 1 | 3 | 1 |
| $\chi_{33}^{(67)}$ | -1 | . | 1 | 3 | 1 |
| $\chi_{33}^{(68)}$ | -1 | . | 1 | 3 | 1 |
| $\chi_{33}^{(69)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{33}^{(70)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{33}^{(71)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{33}^{(72)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{33}^{(73)}$ | 1 | . | -1 | -3 | -1 |
| $\chi_{33}^{(74)}$ | 1 | . | -1 | -3 | -1 |
| $\chi_{33}^{(75)}$ | 1 | . | -1 | -3 | -1 |
| $\chi_{33}^{(76)}$ | 1 | . | -1 | -3 | -1 |
| $\chi_{33}^{(77)}$ | -1 | . | 1 | -3 | -1 |
| $\chi_{33}^{(78)}$ | -1 | . | 1 | -3 | -1 |
| $\chi_{33}^{(79)}$ | -1 | . | 1 | -3 | -1 |
| $\chi_{33}^{(80)}$ | -1 | . | 1 | -3 | -1 |

where $A = -E(4) = -ER(-1) = -i$, $B = E(8)^3$, $C = 2^*E(4) = 2^*ER(-1) = 2i$, $D = 2^*E(8)$, $E = -3^*E(4) = -3^*ER(-1) = -3i$, $F = -3^*E(8)^3$.

[illegible]

$$\begin{pmatrix} -1 & 1 & 1 & -1 & -1 & 1 & 1 & 0 \\ -1 & 3 & 1 & -2 & -1 & 1 & 1 & 0 \\ -2 & 3 & 1 & -2 & -1 & 1 & 2 & 0 \\ -2 & 5 & 2 & -4 & -1 & 1 & 3 & 0 \\ -2 & 4 & 2 & -4 & 0 & 1 & 2 & 0 \\ -1 & 3 & 1 & -3 & 0 & 1 & 1 & 1 \\ -1 & 2 & 1 & -2 & 0 & 0 & 1 & 1 \\ -1 & 1 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & 0 & 1 & -1 & -1 & 0 \\ 1 & -2 & 0 & 1 & 1 & -1 & -1 & -1 \\ 0 & -2 & 1 & 1 & 1 & -1 & -2 & -1 \\ 1 & -3 & 0 & 2 & 2 & -2 & -3 & -1 \\ 1 & -2 & 0 & 2 & 1 & -2 & -2 & -1 \\ 0 & -2 & 0 & 2 & 1 & -2 & -1 & -1 \\ 0 & -1 & 0 & 1 & 1 & -1 & -1 & -1 \\ 0 & 0 & 0 & 0 & 1 & -1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 1 & 1 & 0 & 0 & -1 & 0 \\ -1 & -2 & 1 & 1 & 1 & -1 & -1 & -1 \\ -2 & -3 & 1 & 2 & 1 & -1 & -2 & 0 \\ -2 & -4 & 2 & 2 & 2 & -2 & -3 & 0 \\ -2 & -3 & 2 & 2 & 1 & -2 & -2 & 0 \\ -1 & -3 & 1 & 2 & 1 & -2 & -1 & 0 \\ -1 & -2 & 1 & 1 & 1 & -1 & -1 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}, \\
\begin{pmatrix} 0 & 2 & 1 & -2 & 0 & 1 & -1 & 1 \\ 1 & 3 & 0 & -2 & -1 & 2 & -1 & 1 \\ 0 & 4 & 1 & -3 & -1 & 3 & -2 & 1 \\ 1 & 6 & 0 & -4 & -1 & 4 & -3 & 2 \\ 1 & 5 & 0 & -3 & -1 & 3 & -2 & 1 \\ 0 & 4 & 0 & -2 & -1 & 2 & -1 & 1 \\ 0 & 3 & 0 & -1 & -1 & 1 & -1 & 1 \\ 0 & 2 & 0 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -1 & 1 & 1 & -1 & -1 & 2 & -1 & 1 \\ -1 & 3 & 1 & -2 & -1 & 2 & -1 & 1 \\ -2 & 3 & 1 & -2 & -1 & 3 & -2 & 2 \\ -2 & 5 & 2 & -4 & -1 & 4 & -3 & 3 \\ -2 & 4 & 2 & -3 & -1 & 3 & -2 & 2 \\ -1 & 3 & 1 & -2 & -1 & 2 & -1 & 2 \\ -1 & 2 & 1 & -1 & -1 & 1 & -1 & 2 \\ -1 & 1 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}.$$

The character table of $G^{s_{34}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|---|----|----|----|---|----|----|----|----|----|----|----|----|----|----|
| $\chi_{33}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{34}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{34}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{34}^{(6)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{34}^{(7)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{34}^{(8)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{34}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{34}^{(10)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 |
| $\chi_{34}^{(11)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{34}^{(12)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{34}^{(13)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . |
| $\chi_{34}^{(14)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . |
| $\chi_{34}^{(15)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | 1 | . |
| $\chi_{34}^{(16)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | 1 | . |
| $\chi_{34}^{(17)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | 2 |
| $\chi_{34}^{(18)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | 2 |
| $\chi_{34}^{(19)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | 2 |
| $\chi_{34}^{(20)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | 2 |
| $\chi_{34}^{(21)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | -2 |
| $\chi_{34}^{(22)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -2 |
| $\chi_{34}^{(23)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | -2 |
| $\chi_{34}^{(24)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -2 |
| $\chi_{34}^{(25)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{34}^{(26)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{34}^{(27)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 |
| $\chi_{34}^{(28)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 |
| $\chi_{34}^{(29)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 |
| $\chi_{34}^{(30)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 |
| $\chi_{34}^{(31)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 |
| $\chi_{34}^{(32)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 |
| $\chi_{34}^{(33)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 2 |
| $\chi_{34}^{(34)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 2 |
| $\chi_{34}^{(35)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -2 |
| $\chi_{34}^{(36)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -2 |
| $\chi_{34}^{(37)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . |
| $\chi_{34}^{(38)}$ | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | -2 | -2 | 2 | 2 | -2 | 2 | . |
| $\chi_{34}^{(39)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 2 |
| $\chi_{34}^{(40)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 2 |
| $\chi_{34}^{(41)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -2 |
| $\chi_{34}^{(42)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -2 |
| $\chi_{34}^{(43)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -2 | 2 | -A | A | -2 | A | . |
| $\chi_{34}^{(44)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -2 | 2 | A | -A | -2 | A | . |
| $\chi_{34}^{(45)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -2 | 2 | -A | A | -2 | A | . |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| $\chi_{34}^{(46)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | | | | | | |
| $\chi_{34}^{(47)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -4 | 4 | | | | | | |
| $\chi_{34}^{(48)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -4 | 4 | | | | | | |
| $\chi_{34}^{(49)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | | | | | | |
| $\chi_{34}^{(50)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | | | | | | |
| $\chi_{34}^{(51)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | | | | | | |
| $\chi_{34}^{(52)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | | | | | | |
| $\chi_{34}^{(53)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{34}^{(54)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{34}^{(55)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | . | . | | | | | | |
| $\chi_{34}^{(56)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | . | . | | | | | | |
| $\chi_{34}^{(57)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{34}^{(58)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{34}^{(59)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | | | | | | |
| $\chi_{34}^{(60)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | | | | | | |
| $\chi_{34}^{(61)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 4 | 4 | | | | | | |
| $\chi_{34}^{(62)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -4 | -4 | | | | | | |
| $\chi_{34}^{(63)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 4 | 4 | | | | | | |
| $\chi_{34}^{(64)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | -4 | -4 | | | | | | |
| $\chi_{34}^{(65)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | | | | | | |
| $\chi_{34}^{(66)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | | | | | | |
| $\chi_{34}^{(67)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | -4 | 4 | | | | | | |
| $\chi_{34}^{(68)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | -4 | 4 | | | | | | |
| $\chi_{34}^{(69)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | -4 | 4 | | | | | | |
| $\chi_{34}^{(70)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | -4 | 4 | | | | | | |
| $\chi_{34}^{(71)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | 4 | -4 | | | | | | |
| $\chi_{34}^{(72)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | 4 | -4 | | | | | | |
| $\chi_{34}^{(73)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | 4 | -4 | | | | | | |
| $\chi_{34}^{(74)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | 4 | -4 | | | | | | |
| $\chi_{34}^{(75)}$ | 8 | -8 | C | -C | 8 | -8 | C | -C | 8 | -8 | C | -C | 8 | -8 | C | -C | -4 | 4 | -B | B | -4 | 4 | -B | B | . | . | | | | | | |
| $\chi_{34}^{(76)}$ | 8 | -8 | -C | C | 8 | -8 | -C | C | 8 | -8 | -C | C | 8 | -8 | -C | C | -4 | 4 | B | -B | -4 | 4 | B | -B | . | . | | | | | | |
| $\chi_{34}^{(77)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(78)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(79)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(80)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(81)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(82)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(83)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(84)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(85)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(86)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(87)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(88)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{34}^{(89)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{34}^{(90)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | | | | | | |
|---------------------|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{34}^{(91)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 |
| $\chi_{34}^{(92)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 |
| $\chi_{34}^{(93)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 6 | 6 |
| $\chi_{34}^{(94)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 6 | 6 |
| $\chi_{34}^{(95)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -6 | -6 |
| $\chi_{34}^{(96)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -6 | -6 |
| $\chi_{34}^{(97)}$ | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(98)}$ | 12 | 12 | -12 | -12 | 12 | 12 | -12 | -12 | -4 | -4 | 4 | 4 | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(99)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | 6 | 6 |
| $\chi_{34}^{(100)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | 6 | 6 |
| $\chi_{34}^{(101)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | -6 | -6 |
| $\chi_{34}^{(102)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | -6 | -6 |
| $\chi_{34}^{(103)}$ | 12 | -12 | D | -D | 12 | -12 | D | -D | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(104)}$ | 12 | -12 | -D | D | 12 | -12 | -D | D | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(105)}$ | 12 | -12 | D | -D | 12 | -12 | D | -D | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(106)}$ | 12 | -12 | -D | D | 12 | -12 | -D | D | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(107)}$ | 16 | 16 | 16 | 16 | -16 | -16 | -16 | -16 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . |
| $\chi_{34}^{(108)}$ | 16 | 16 | -16 | -16 | -16 | -16 | 16 | 16 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . |
| $\chi_{34}^{(109)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | -2 | 2 | -A | A | 2 | -2 | A | -A | . | . |
| $\chi_{34}^{(110)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | -2 | 2 | A | -A | 2 | -2 | -A | A | . | . |
| $\chi_{34}^{(111)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | -2 | 2 | -A | A | 2 | -2 | A | -A | . | . |
| $\chi_{34}^{(112)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | -2 | 2 | A | -A | 2 | -2 | -A | A | . | . |
| $\chi_{34}^{(113)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | 4 | -4 | B | -B | -4 | 4 | -B | B | -8 | 8 |
| $\chi_{34}^{(114)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | 4 | -4 | -B | B | -4 | 4 | B | -B | -8 | 8 |
| $\chi_{34}^{(115)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | 4 | -4 | B | -B | -4 | 4 | -B | B | 8 | -8 |
| $\chi_{34}^{(116)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | 4 | -4 | -B | B | -4 | 4 | B | -B | 8 | -8 |
| $\chi_{34}^{(117)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 2 | 2 | 2 | 2 | -6 | -6 | -6 | -6 | . | . | . | . | . | . | . | . | -6 | -6 |
| $\chi_{34}^{(118)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 2 | 2 | 2 | 2 | -6 | -6 | -6 | -6 | . | . | . | . | . | . | . | . | 6 | 6 |
| $\chi_{34}^{(119)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | 2 | 2 | -2 | -2 | -6 | -6 | 6 | 6 | . | . | . | . | . | . | . | . | -6 | -6 |
| $\chi_{34}^{(120)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | 2 | 2 | -2 | -2 | -6 | -6 | 6 | 6 | . | . | . | . | . | . | . | . | 6 | 6 |
| $\chi_{34}^{(121)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | -6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(122)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | -6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(123)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{34}^{(124)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{34}^{(125)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{34}^{(126)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{34}^{(127)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{34}^{(128)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{34}^{(129)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{34}^{(130)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{34}^{(131)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | -6 | -6 | 6 | 6 | 6 | 6 | -6 | -6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(132)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | -6 | -6 | 6 | 6 | 6 | 6 | -6 | -6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(133)}$ | 24 | 24 | 24 | 24 | -24 | -24 | -24 | -24 | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | . | . |
| $\chi_{34}^{(134)}$ | 24 | 24 | 24 | 24 | -24 | -24 | -24 | -24 | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | . | . |
| $\chi_{34}^{(135)}$ | 24 | 24 | -24 | -24 | -24 | -24 | 24 | 24 | . | . | . | . | . | . | . | . | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . |

| | 10 | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | |
|---------------------|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| $\chi_{34}^{(136)}$ | 24 | 24 | -24 | -24 | -24 | -24 | 24 | 24 | . | . | . | . | . | . | . | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . | | | | | |
| $\chi_{34}^{(137)}$ | 24 | -24 | G | -G | 24 | -24 | G | -G | -8 | 8 | -C | C | 8 | -8 | C | -C | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{34}^{(138)}$ | 24 | -24 | -G | G | 24 | -24 | -G | G | -8 | 8 | C | -C | 8 | -8 | -C | C | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{34}^{(139)}$ | 32 | -32 | H | -H | -32 | 32 | -H | H | . | . | . | . | . | . | . | . | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | | | | |
| $\chi_{34}^{(140)}$ | 32 | -32 | -H | H | -32 | 32 | H | -H | . | . | . | . | . | . | . | . | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | | | | |
| | 30 | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | | | | | | |
| $\chi_{34}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | |
| $\chi_{34}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{34}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{34}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| $\chi_{34}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | | | | |
| $\chi_{34}^{(6)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | | | | |
| $\chi_{34}^{(7)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{34}^{(8)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{34}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| $\chi_{34}^{(10)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | | | |
| $\chi_{34}^{(11)}$ | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | | | | |
| $\chi_{34}^{(12)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | | | | |
| $\chi_{34}^{(13)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(14)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(15)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | -1 | 1 | -1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(16)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | -1 | 1 | -1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(17)}$ | -A | A | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(18)}$ | A | -A | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(19)}$ | -A | A | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(20)}$ | A | -A | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(21)}$ | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(22)}$ | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(23)}$ | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(24)}$ | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(25)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{34}^{(26)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| $\chi_{34}^{(27)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(28)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(29)}$ | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | | | |
| $\chi_{34}^{(30)}$ | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | | | |
| $\chi_{34}^{(31)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | |
| $\chi_{34}^{(32)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | |
| $\chi_{34}^{(33)}$ | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | 2 | 2 | -2 | -2 | | |
| $\chi_{34}^{(34)}$ | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | 2 | 2 | -2 | -2 | | |
| $\chi_{34}^{(35)}$ | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -2 | -2 | 2 | 2 | | |
| $\chi_{34}^{(36)}$ | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -2 | -2 | 2 | 2 | | |
| $\chi_{34}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | . | . | . | . | | |
| $\chi_{34}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | 4 | -4 | 4 | -4 | 4 | -4 | 4 | -4 | 4 | -4 | -2 | 2 | -2 | 2 | . | . | . | . | | |
| $\chi_{34}^{(39)}$ | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | 4 | -4 | -4 | 4 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | 2 | -2 | -2 | 2 | | |
| $\chi_{34}^{(40)}$ | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | 4 | -4 | -4 | 4 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | 2 | -2 | -2 | 2 | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| $\chi_{34}^{(41)}$ | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 4 | -4 | -4 | 4 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | -2 | 2 | 2 | -2 | | |
| $\chi_{34}^{(42)}$ | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 4 | -4 | -4 | 4 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | -2 | 2 | 2 | -2 | | |
| $\chi_{34}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(47)}$ | -B | B | -4 | 4 | -B | B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(48)}$ | B | -B | -4 | 4 | B | -B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(49)}$ | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(50)}$ | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(51)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(52)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 1 | -1 | 1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 1 | -1 | 1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | 6 | -6 | 6 | -6 | -2 | 2 | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | 6 | -6 | 6 | -6 | -2 | 2 | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | | |
| $\chi_{34}^{(61)}$ | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | 4 | 4 | -4 | -4 | | |
| $\chi_{34}^{(62)}$ | -4 | -4 | 4 | 4 | 4 | 4 | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -4 | -4 | 4 | 4 | | |
| $\chi_{34}^{(63)}$ | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | . | . | 2 | -2 | -2 | 2 | 4 | -4 | -4 | 4 | | |
| $\chi_{34}^{(64)}$ | 4 | 4 | 4 | 4 | -4 | -4 | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | . | . | 2 | -2 | -2 | 2 | -4 | 4 | 4 | -4 | | |
| $\chi_{34}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | . | . | -1 | 1 | 1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | . | . | -1 | 1 | 1 | -1 | . | . | . | . | | |
| $\chi_{34}^{(67)}$ | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(68)}$ | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(69)}$ | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(70)}$ | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(71)}$ | B | -B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(72)}$ | -B | B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(73)}$ | B | -B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(74)}$ | -B | B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{34}^{(77)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | 5 | 5 | 1 | 1 | . | . | . | . | 1 | 1 | 1 | 1 | | |
| $\chi_{34}^{(78)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | 5 | 5 | 1 | 1 | . | . | . | . | 1 | 1 | 1 | 1 | | |
| $\chi_{34}^{(79)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 5 | 5 | 1 | 1 | . | . | . | . | -1 | -1 | -1 | -1 | | |
| $\chi_{34}^{(80)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 5 | 5 | 1 | 1 | . | . | . | . | -1 | -1 | -1 | -1 | | |
| $\chi_{34}^{(81)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | . | . | . | . | -3 | -3 | -3 | -3 | | |
| $\chi_{34}^{(82)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | . | . | . | . | -3 | -3 | -3 | -3 | | |
| $\chi_{34}^{(83)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | . | . | . | . | 3 | 3 | 3 | 3 | | |
| $\chi_{34}^{(84)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | . | . | . | . | 3 | 3 | 3 | 3 | | |
| $\chi_{34}^{(85)}$ | 3 | 3 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | -3 | 3 | -3 | 3 | -3 | 3 | 5 | -5 | 1 | -1 | . | . | . | . | 1 | -1 | 1 | -1 | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{34}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | -6 | 6 | -6 | 6 | 2 | -2 | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | -6 | 6 | -6 | 6 | 2 | -2 | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | . |
| $\chi_{34}^{(134)}$ | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | . |
| $\chi_{34}^{(135)}$ | . | . | . | . | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{34}^{(136)}$ | . | . | . | . | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | . | . | 1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{34}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | 60 | | | | | | | | | | 70 | | | | | | | | | | | | | | | | | | | |
| $\chi_{34}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(2)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(3)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(5)}$ | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(6)}$ | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(7)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(8)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(9)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(10)}$ | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(11)}$ | 2 | -2 | 2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(12)}$ | -2 | 2 | -2 | 2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(13)}$ | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(14)}$ | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(15)}$ | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(16)}$ | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(17)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -J | -J |
| $\chi_{34}^{(18)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -J | -J |
| $\chi_{34}^{(19)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -J | -J |
| $\chi_{34}^{(20)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -J | -J |
| $\chi_{34}^{(21)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -J | -J |
| $\chi_{34}^{(22)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -J | -J |
| $\chi_{34}^{(23)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -J | -J |
| $\chi_{34}^{(24)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -J | -J |
| $\chi_{34}^{(25)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(26)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(27)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(28)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(29)}$ | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(30)}$ | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(31)}$ | 1 | -1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(32)}$ | 1 | -1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(33)}$ | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{34}^{(34)}$ | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{34}^{(35)}$ | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 110 | | | | | | | | | | | | | | | | 120 | | | |
|--------------------|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| $\chi_{34}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(28)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(29)}$ | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J |
| $\chi_{34}^{(30)}$ | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J |
| $\chi_{34}^{(31)}$ | J | -J | -J | J | J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J |
| $\chi_{34}^{(32)}$ | -J | J | J | -J | -J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J |
| $\chi_{34}^{(33)}$ | -1 | 1 | 1 | 1 | 1 | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . |
| $\chi_{34}^{(34)}$ | 1 | -1 | -1 | -1 | -1 | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . |
| $\chi_{34}^{(35)}$ | -1 | 1 | 1 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . |
| $\chi_{34}^{(36)}$ | 1 | -1 | -1 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . |
| $\chi_{34}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(39)}$ | J | J | J | -J | -J | . | . | . | . | -A | -A | A | A | A | A | -A | -A | . | . | . |
| $\chi_{34}^{(40)}$ | -J | -J | -J | J | J | . | . | . | . | A | A | -A | -A | -A | -A | A | A | . | . | . |
| $\chi_{34}^{(41)}$ | J | J | J | -J | -J | . | . | . | . | A | A | -A | -A | -A | -A | A | A | . | . | . |
| $\chi_{34}^{(42)}$ | -J | -J | -J | J | J | . | . | . | . | -A | -A | A | A | A | A | -A | -A | . | . | . |
| $\chi_{34}^{(43)}$ | /L | -L | L | -/L | /L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(44)}$ | L | -/L | /L | -L | L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(45)}$ | -/L | L | -L | /L | -/L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(46)}$ | -L | /L | -/L | L | -L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(47)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(48)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(49)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(50)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(51)}$ | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(52)}$ | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(53)}$ | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . |
| $\chi_{34}^{(54)}$ | . | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . |
| $\chi_{34}^{(55)}$ | -J | J | J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(56)}$ | J | -J | -J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(57)}$ | . | . | . | . | . | A | A | -A | -A | -A | -A | A | A | -A | -A | A | A | . | . | . |
| $\chi_{34}^{(58)}$ | . | . | . | . | . | -A | -A | A | A | A | A | -A | -A | A | A | -A | -A | . | . | . |
| $\chi_{34}^{(59)}$ | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(60)}$ | -1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(65)}$ | -J | -J | -J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(66)}$ | J | J | J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(67)}$ | /L | L | -L | /L | -/L | . | . | . | . | -M | M | -/M | /M | M | -M | /M | -/M | . | . | . |
| $\chi_{34}^{(68)}$ | L | /L | -/L | L | -L | . | . | . | . | -/M | /M | -M | M | /M | -/M | M | -M | . | . | . |
| $\chi_{34}^{(69)}$ | -/L | -L | L | -/L | /L | . | . | . | . | M | -M | /M | -/M | -M | M | -/M | /M | . | . | . |
| $\chi_{34}^{(70)}$ | -L | -/L | /L | -L | L | . | . | . | . | /M | -/M | M | -M | -/M | /M | -M | M | . | . | . |

| | 110 | | | | | | | | | | | | | | | | 120 | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|--|--|
| $\chi_{34}^{(71)}$ | /L | L | -L | /L | -/L | . | . | . | . | M | -M | /M | -/M | -M | M | -/M | /M | . | . | . | . | | | |
| $\chi_{34}^{(72)}$ | L | /L | -/L | L | -L | . | . | . | . | /M | -/M | M | -M | -/M | /M | -M | M | . | . | . | . | | | |
| $\chi_{34}^{(73)}$ | -/L | -L | L | -/L | /L | . | . | . | . | -M | M | -/M | /M | M | -M | /M | -/M | . | . | . | . | | | |
| $\chi_{34}^{(74)}$ | -L | -/L | /L | -L | L | . | . | . | . | -/M | /M | -M | M | /M | -/M | M | -M | . | . | . | . | | | |
| $\chi_{34}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(77)}$ | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(78)}$ | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{34}^{(79)}$ | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{34}^{(80)}$ | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(81)}$ | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(82)}$ | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{34}^{(83)}$ | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{34}^{(84)}$ | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{34}^{(85)}$ | . | . | . | . | . | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | -J | -J | J | J | | | |
| $\chi_{34}^{(86)}$ | . | . | . | . | . | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J | J | -J | -J | | | |
| $\chi_{34}^{(87)}$ | . | . | . | . | . | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J | J | -J | -J | | | |
| $\chi_{34}^{(88)}$ | . | . | . | . | . | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | -J | -J | J | J | | | |
| $\chi_{34}^{(89)}$ | . | . | . | . | . | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | -J | -J | J | J | | | |
| $\chi_{34}^{(90)}$ | . | . | . | . | . | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J | J | -J | -J | | | |
| $\chi_{34}^{(91)}$ | . | . | . | . | . | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J | J | -J | -J | | | |
| $\chi_{34}^{(92)}$ | . | . | . | . | . | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | -J | -J | J | J | | | |
| $\chi_{34}^{(93)}$ | 1 | -1 | -1 | -1 | -1 | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | | | |
| $\chi_{34}^{(94)}$ | -1 | 1 | 1 | 1 | 1 | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | | | |
| $\chi_{34}^{(95)}$ | 1 | -1 | -1 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | | | |
| $\chi_{34}^{(96)}$ | -1 | 1 | 1 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | | | |
| $\chi_{34}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(99)}$ | J | J | J | -J | -J | . | . | . | . | -A | -A | A | A | A | A | -A | -A | . | . | . | . | | | |
| $\chi_{34}^{(100)}$ | -J | -J | -J | J | J | . | . | . | . | A | A | -A | -A | -A | -A | A | A | . | . | . | . | | | |
| $\chi_{34}^{(101)}$ | J | J | J | -J | -J | . | . | . | . | A | A | -A | -A | -A | -A | A | A | . | . | . | . | | | |
| $\chi_{34}^{(102)}$ | -J | -J | -J | J | J | . | . | . | . | -A | -A | A | A | A | A | -A | -A | . | . | . | . | | | |
| $\chi_{34}^{(103)}$ | . | . | . | . | . | -M | M | -/M | /M | M | -M | /M | -/M | M | -M | /M | -/M | . | . | . | . | | | |
| $\chi_{34}^{(104)}$ | . | . | . | . | . | -/M | /M | -M | M | /M | -/M | M | -M | /M | -/M | M | -M | . | . | . | . | | | |
| $\chi_{34}^{(105)}$ | . | . | . | . | . | M | -M | /M | -/M | -M | M | -/M | /M | -M | M | -/M | /M | . | . | . | . | | | |
| $\chi_{34}^{(106)}$ | . | . | . | . | . | /M | -/M | M | -M | -/M | /M | -M | M | -/M | /M | -M | M | . | . | . | . | | | |
| $\chi_{34}^{(107)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(108)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(109)}$ | -/L | -L | L | -/L | /L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(110)}$ | -L | -/L | /L | -L | L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(111)}$ | /L | L | -L | /L | -/L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(112)}$ | L | /L | -/L | L | -L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{34}^{(115)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |

| | 130 | | | | | | | | | | | | | | | | 140 |
|--------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| $\chi_{34}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(23)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(24)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(25)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(26)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{34}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{34}^{(29)}$ | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | -J |
| $\chi_{34}^{(30)}$ | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | J |
| $\chi_{34}^{(31)}$ | J | -J | J | -J | J | -J | J | -J | J | -J | -J | J | -J | J | -J | J | J |
| $\chi_{34}^{(32)}$ | -J | J | -J | J | -J | J | -J | J | -J | J | J | -J | J | -J | J | -J | -J |
| $\chi_{34}^{(33)}$ | 2 | 2 | -2 | -2 | . | . | -1 | -1 | 1 | 1 | . | . | 2 | 2 | -2 | -2 | . |
| $\chi_{34}^{(34)}$ | -2 | -2 | 2 | 2 | . | . | 1 | 1 | -1 | -1 | . | . | -2 | -2 | 2 | 2 | . |
| $\chi_{34}^{(35)}$ | 2 | 2 | -2 | -2 | . | . | -1 | -1 | 1 | 1 | . | . | -2 | -2 | 2 | 2 | . |
| $\chi_{34}^{(36)}$ | -2 | -2 | 2 | 2 | . | . | 1 | 1 | -1 | -1 | . | . | 2 | 2 | -2 | -2 | . |
| $\chi_{34}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(39)}$ | -A | A | A | -A | . | . | -J | J | J | -J | . | . | -A | A | A | -A | . |
| $\chi_{34}^{(40)}$ | A | -A | -A | A | . | . | J | -J | -J | J | . | . | A | -A | -A | A | . |
| $\chi_{34}^{(41)}$ | -A | A | A | -A | . | . | -J | J | J | -J | . | . | A | -A | -A | A | . |
| $\chi_{34}^{(42)}$ | A | -A | -A | A | . | . | J | -J | -J | J | . | . | -A | A | A | -A | . |
| $\chi_{34}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(47)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(48)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(49)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(50)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(51)}$ | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{34}^{(52)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{34}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | . |
| $\chi_{34}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | . |
| $\chi_{34}^{(55)}$ | -A | A | -A | A | -A | A | -J | J | -J | J | . | . | . | . | . | . | . |
| $\chi_{34}^{(56)}$ | A | -A | A | -A | A | -A | J | -J | J | -J | . | . | . | . | . | . | . |
| $\chi_{34}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | A | -A | -A | A | -A | A | . |
| $\chi_{34}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | -A | A | A | -A | A | -A | . |
| $\chi_{34}^{(59)}$ | 4 | 4 | -4 | -4 | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{34}^{(60)}$ | -4 | -4 | 4 | 4 | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{34}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(65)}$ | -B | B | B | -B | . | . | J | -J | -J | J | . | . | . | . | . | . | . |

| | 130 | | | | | | | | | | | | 140 | | | |
|---------------------|-----|----|----|----|---|---|----|----|----|----|----|----|-----|----|---|---|
| $\chi_{34}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(115)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(121)}$ | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | . | . |
| $\chi_{34}^{(122)}$ | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | . | . |
| $\chi_{34}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(129)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(131)}$ | . | . | . | . | . | . | . | . | A | -A | -A | A | -A | A | . | . |
| $\chi_{34}^{(132)}$ | . | . | . | . | . | . | . | . | -A | A | A | -A | A | -A | . | . |
| $\chi_{34}^{(133)}$ | 4 | 4 | -4 | -4 | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | . |
| $\chi_{34}^{(134)}$ | -4 | -4 | 4 | 4 | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . |
| $\chi_{34}^{(135)}$ | B | -B | -B | B | . | . | -J | J | J | -J | . | . | . | . | . | . |
| $\chi_{34}^{(136)}$ | -B | B | B | -B | . | . | J | -J | -J | J | . | . | . | . | . | . |
| $\chi_{34}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{34}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

where $A = -2^*E(4) = -2^*ER(-1) = -2i$, $B = -4^*E(4) = -4^*ER(-1) = -4i$, $C = -8^*E(4) = -8^*ER(-1) = -8i$, $D = -12^*E(4) = -12^*ER(-1) = -12i$, $E = -16^*E(4) = -16^*ER(-1) = -16i$, $F = -18^*E(4) = -18^*ER(-1) = -18i$, $G = -24^*E(4) = -24^*ER(-1) = -24i$, $H = -32^*E(4) = -32^*ER(-1) = -32i$, $I = 6^*E(4) = 6^*ER(-1) = 6i$, $J = E(4) = ER(-1) = i$, $K = 3^*E(4) = 3^*ER(-1) = 3i$, $L = -1^*E(4) = -1^*ER(-1) = -1i$, $M = -2^*2^*E(4) = -2^*2^*ER(-1) = -2^*2i$, $N = -4^*4^*E(4) = -4^*4^*ER(-1) = -4^*4i$, $O = 3+3^*E(4) = 3+3^*ER(-1) = 3+3i$.

The generators of $G^{s_{35}}$ are:

$$\begin{pmatrix} -1 & 0 & 0 & 1 & -1 & 1 & 0 & -1 \\ 0 & 0 & 0 & 1 & -2 & 2 & 0 & -1 \\ 0 & 0 & -1 & 2 & -2 & 2 & 0 & -2 \\ 0 & 0 & 0 & 2 & -3 & 3 & 0 & -3 \\ 0 & 0 & 0 & 1 & -2 & 3 & 0 & -3 \\ 0 & 1 & 0 & 0 & -1 & 2 & 0 & -2 \\ 0 & 1 & 0 & 0 & -1 & 1 & 1 & -2 \\ 0 & 1 & 0 & 0 & -1 & 1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} -1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & -1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 1 & 0 & -1 & -1 & 2 & -1 & 1 \\ 1 & 3 & 0 & -2 & -1 & 2 & -1 & 1 \\ 1 & 3 & 1 & -3 & -1 & 3 & -2 & 2 \\ 1 & 5 & 1 & -4 & -2 & 5 & -3 & 2 \\ 1 & 4 & 1 & -3 & -2 & 4 & -2 & 1 \\ 0 & 3 & 1 & -2 & -2 & 3 & -1 & 1 \\ 0 & 2 & 1 & -1 & -2 & 2 & -1 & 1 \\ 0 & 1 & 1 & -1 & -1 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -1 & 2 & 0 & -1 & 0 & 1 & -1 & 1 \\ 0 & 3 & 0 & -2 & 0 & 1 & -1 & 2 \\ 0 & 4 & -1 & -2 & 0 & 2 & -2 & 2 \\ 0 & 5 & -1 & -3 & 0 & 3 & -3 & 4 \\ 0 & 4 & -1 & -2 & 0 & 2 & -2 & 3 \\ 0 & 3 & -1 & -1 & -1 & 2 & -1 & 2 \\ 0 & 2 & -1 & 0 & -1 & 1 & -1 & 2 \\ 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & 2 & 0 & -1 & 0 & 1 & -1 & 1 \\ -1 & 2 & 0 & -1 & -1 & 2 & -1 & 2 \\ -2 & 3 & 1 & -2 & -1 & 3 & -2 & 2 \\ -2 & 4 & 1 & -3 & -1 & 4 & -3 & 4 \\ -2 & 3 & 1 & -2 & -1 & 3 & -2 & 3 \\ -1 & 3 & 1 & -2 & -1 & 2 & -1 & 2 \\ -1 & 2 & 1 & -1 & -1 & 1 & -1 & 2 \\ -1 & 1 & 1 & -1 & 0 & 0 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} 1 & 1 & 0 & -1 & -1 & 2 & -1 & 1 \\ 0 & 2 & 1 & -2 & -1 & 2 & -1 & 2 \\ 0 & 2 & 1 & -2 & -2 & 4 & -2 & 2 \\ 0 & 3 & 1 & -3 & -2 & 5 & -3 & 4 \\ 0 & 2 & 1 & -2 & -2 & 4 & -2 & 3 \\ 0 & 2 & 0 & -1 & -2 & 3 & -1 & 2 \\ 0 & 1 & 0 & 0 & -2 & 2 & -1 & 2 \\ 0 & 0 & 0 & 0 & -1 & 1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & 2 & 0 & -1 & 0 & 1 & -1 & 1 \\ 0 & 3 & -1 & -1 & -1 & 2 & -1 & 1 \\ 0 & 4 & -1 & -2 & 0 & 2 & -2 & 2 \\ 0 & 6 & -1 & -3 & -1 & 4 & -3 & 2 \\ 0 & 5 & -1 & -2 & -1 & 3 & -2 & 1 \\ 0 & 4 & 0 & -2 & -1 & 2 & -1 & 1 \\ 0 & 3 & 0 & -1 & -1 & 1 & -1 & 1 \\ 0 & 2 & 0 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}.$$

The character table of G^{s35} :

| | 10 | | | | | | | | | | 20 | | | | | | | | | | |
|--------------------|----|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(10)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(11)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(12)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(13)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 |
| $\chi_{35}^{(14)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 |
| $\chi_{35}^{(15)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 |
| $\chi_{35}^{(16)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | 2 | 2 | 2 |
| $\chi_{35}^{(17)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{35}^{(18)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{35}^{(19)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(20)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(21)}$ | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 |
| $\chi_{35}^{(22)}$ | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 |
| $\chi_{35}^{(23)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | . | . |
| $\chi_{35}^{(24)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | . | . |
| $\chi_{35}^{(25)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | . | . |
| $\chi_{35}^{(26)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | . | . |
| $\chi_{35}^{(27)}$ | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . |
| $\chi_{35}^{(28)}$ | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . |
| $\chi_{35}^{(29)}$ | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . |
| $\chi_{35}^{(30)}$ | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . |
| $\chi_{35}^{(31)}$ | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . |
| $\chi_{35}^{(32)}$ | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . |
| $\chi_{35}^{(33)}$ | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . |
| $\chi_{35}^{(34)}$ | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . |
| $\chi_{35}^{(35)}$ | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . |
| $\chi_{35}^{(36)}$ | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . |
| $\chi_{35}^{(37)}$ | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . |
| $\chi_{35}^{(38)}$ | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . |
| $\chi_{35}^{(39)}$ | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 |
| $\chi_{35}^{(40)}$ | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 |
| $\chi_{35}^{(41)}$ | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 |
| $\chi_{35}^{(42)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| $\chi_{35}^{(43)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | 6 | 6 | -6 | -6 | -6 | -2 | -2 | -2 |
| $\chi_{35}^{(44)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | 6 | 6 | -6 | -6 | -6 | -2 | -2 | -2 |
| $\chi_{35}^{(45)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(46)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | |
| $\chi_{35}^{(47)}$ | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | 6 | 6 | -2 | -2 |
| $\chi_{35}^{(48)}$ | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | 6 | 6 | -2 | -2 |
| $\chi_{35}^{(49)}$ | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | 6 | 6 | -2 | -2 |
| $\chi_{35}^{(50)}$ | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | 6 | 6 | -2 | -2 |
| $\chi_{35}^{(51)}$ | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . | . | . | . | |
| $\chi_{35}^{(52)}$ | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . | . | . | . | |
| $\chi_{35}^{(53)}$ | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . | . | . | . | |
| $\chi_{35}^{(54)}$ | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . | . | . | . | |
| $\chi_{35}^{(55)}$ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | . | . | |
| $\chi_{35}^{(56)}$ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | . | . | |
| $\chi_{35}^{(57)}$ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | . | . | |
| $\chi_{35}^{(58)}$ | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | . | . | |
| $\chi_{35}^{(59)}$ | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | 8 | 8 | 8 | . | . | |
| $\chi_{35}^{(60)}$ | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | 8 | 8 | 8 | . | . | |
| $\chi_{35}^{(61)}$ | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | 8 | 8 | 8 | . | . | |
| $\chi_{35}^{(62)}$ | 8 | 8 | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | 8 | 8 | 8 | . | . | |
| $\chi_{35}^{(63)}$ | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | |
| $\chi_{35}^{(64)}$ | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | |
| $\chi_{35}^{(65)}$ | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | |
| $\chi_{35}^{(66)}$ | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | |
| $\chi_{35}^{(67)}$ | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | |
| $\chi_{35}^{(68)}$ | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | |
| $\chi_{35}^{(69)}$ | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | |
| $\chi_{35}^{(70)}$ | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | |
| $\chi_{35}^{(71)}$ | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | |
| $\chi_{35}^{(72)}$ | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | |
| $\chi_{35}^{(73)}$ | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | |
| $\chi_{35}^{(74)}$ | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | |
| $\chi_{35}^{(75)}$ | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | 8 | 8 | |
| $\chi_{35}^{(76)}$ | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 1 | 1 | |
| $\chi_{35}^{(77)}$ | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 1 | 1 | |
| $\chi_{35}^{(78)}$ | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 1 | 1 | |
| $\chi_{35}^{(79)}$ | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 9 | 9 | 9 | 9 | 9 | 9 | -9 | -9 | -9 | 1 | 1 | |
| $\chi_{35}^{(80)}$ | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | |
| $\chi_{35}^{(81)}$ | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | |
| $\chi_{35}^{(82)}$ | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | |
| $\chi_{35}^{(83)}$ | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | |
| $\chi_{35}^{(84)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | |
| $\chi_{35}^{(85)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | |
| $\chi_{35}^{(86)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | |
| $\chi_{35}^{(87)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | |
| $\chi_{35}^{(88)}$ | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | |
| $\chi_{35}^{(89)}$ | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | |
| $\chi_{35}^{(90)}$ | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | |

| | 10 | | | | | | | | | | 20 | | | | | | | | | |
|---------------------|-----|------|-----|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\chi_{35}^{(181)}$ | 48 | 48 | -16 | 16 | . | . | . | . | . | -48 | -48 | 16 | -16 | . | . | . | . | . | . | . |
| $\chi_{35}^{(182)}$ | 48 | -48 | . | . | -6 | 6 | . | . | . | 48 | -48 | . | . | -6 | 6 | . | . | . | -16 | 16 |
| $\chi_{35}^{(183)}$ | 48 | -48 | . | . | -6 | 6 | . | . | . | 48 | -48 | . | . | -6 | 6 | . | . | . | -16 | 16 |
| $\chi_{35}^{(184)}$ | 48 | 48 | -16 | 16 | . | . | . | . | . | -48 | -48 | 16 | -16 | . | . | . | . | . | . | . |
| $\chi_{35}^{(185)}$ | 48 | 48 | -16 | 16 | . | . | . | . | . | -48 | -48 | 16 | -16 | . | . | . | . | . | . | . |
| $\chi_{35}^{(186)}$ | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 6 | 6 |
| $\chi_{35}^{(187)}$ | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 6 | 6 |
| $\chi_{35}^{(188)}$ | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 6 | 6 |
| $\chi_{35}^{(189)}$ | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 6 | 6 |
| $\chi_{35}^{(190)}$ | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | -18 | -18 |
| $\chi_{35}^{(191)}$ | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | 54 | 54 | 6 | -18 | . | . | -18 | -18 | 6 | -18 | -18 |
| $\chi_{35}^{(192)}$ | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | -18 | -18 |
| $\chi_{35}^{(193)}$ | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | 54 | 54 | 6 | -18 | . | . | 18 | 18 | -6 | -18 | -18 |
| $\chi_{35}^{(194)}$ | 54 | 54 | -18 | 18 | . | . | . | . | . | 54 | 54 | -18 | 18 | . | . | . | . | 6 | 6 | -2 |
| $\chi_{35}^{(195)}$ | 54 | 54 | -18 | 18 | . | . | . | . | . | 54 | 54 | -18 | 18 | . | . | . | . | 6 | 6 | -2 |
| $\chi_{35}^{(196)}$ | 54 | 54 | -18 | 18 | . | . | . | . | . | 54 | 54 | -18 | 18 | . | . | . | . | 6 | 6 | -2 |
| $\chi_{35}^{(197)}$ | 54 | 54 | -18 | 18 | . | . | . | . | . | 54 | 54 | -18 | 18 | . | . | . | . | 6 | 6 | -2 |
| $\chi_{35}^{(198)}$ | 64 | -64 | . | . | -8 | 8 | . | . | . | -64 | 64 | . | . | 8 | -8 | . | . | . | . | . |
| $\chi_{35}^{(199)}$ | 64 | -64 | . | . | -8 | 8 | . | . | . | -64 | 64 | . | . | 8 | -8 | . | . | . | . | . |
| $\chi_{35}^{(200)}$ | 64 | -64 | . | . | -8 | 8 | . | . | . | -64 | 64 | . | . | 8 | -8 | . | . | . | . | . |
| $\chi_{35}^{(201)}$ | 64 | -64 | . | . | -8 | 8 | . | . | . | -64 | 64 | . | . | 8 | -8 | . | . | . | . | . |
| $\chi_{35}^{(202)}$ | 64 | -64 | . | . | 16 | -16 | 32 | -32 | . | -64 | 64 | . | . | -16 | 16 | -32 | 32 | . | . | . |
| $\chi_{35}^{(203)}$ | 64 | -64 | . | . | 16 | -16 | -32 | 32 | . | -64 | 64 | . | . | -16 | 16 | 32 | -32 | . | . | . |
| $\chi_{35}^{(204)}$ | 72 | 72 | 8 | -24 | . | . | 24 | 24 | -8 | -72 | -72 | -8 | 24 | . | . | -24 | -24 | 8 | . | . |
| $\chi_{35}^{(205)}$ | 72 | 72 | 8 | -24 | . | . | 24 | 24 | -8 | -72 | -72 | -8 | 24 | . | . | -24 | -24 | 8 | . | . |
| $\chi_{35}^{(206)}$ | 72 | 72 | 8 | -24 | . | . | -24 | -24 | 8 | -72 | -72 | -8 | 24 | . | . | 24 | 24 | -8 | . | . |
| $\chi_{35}^{(207)}$ | 72 | 72 | 8 | -24 | . | . | -24 | -24 | 8 | -72 | -72 | -8 | 24 | . | . | 24 | 24 | -8 | . | . |
| $\chi_{35}^{(208)}$ | 72 | -72 | . | . | -9 | 9 | . | . | . | 72 | -72 | . | . | -9 | 9 | . | . | 8 | -8 | . |
| $\chi_{35}^{(209)}$ | 72 | -72 | . | . | -9 | 9 | . | . | . | 72 | -72 | . | . | -9 | 9 | . | . | 8 | -8 | . |
| $\chi_{35}^{(210)}$ | 72 | -72 | . | . | -9 | 9 | . | . | . | 72 | -72 | . | . | -9 | 9 | . | . | 8 | -8 | . |
| $\chi_{35}^{(211)}$ | 72 | -72 | . | . | -9 | 9 | . | . | . | 72 | -72 | . | . | -9 | 9 | . | . | 8 | -8 | . |
| $\chi_{35}^{(212)}$ | 72 | 72 | -24 | 24 | . | . | . | . | . | 72 | 72 | -24 | 24 | . | . | . | . | -24 | -24 | 8 |
| $\chi_{35}^{(213)}$ | 96 | -96 | . | . | -12 | 12 | . | . | . | 96 | -96 | . | . | -12 | 12 | . | . | . | -32 | 32 |
| $\chi_{35}^{(214)}$ | 96 | 96 | -32 | 32 | . | . | . | . | . | -96 | -96 | 32 | -32 | . | . | . | . | . | . | . |
| $\chi_{35}^{(215)}$ | 128 | -128 | . | . | -16 | 16 | . | . | . | -128 | 128 | . | . | 16 | -16 | . | . | . | . | . |
| | 30 | | | | | | | | | | 40 | | | | | | | | | |
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(2)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(3)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(4)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(9)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{35}^{(10)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |

| | 30 | | | | | | | | | | | | | | | 40 | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 |
| $\chi_{35}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{35}^{(63)}$ | . | -1 | 1 | . | . | . | . | 8 | -8 | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | 8 |
| $\chi_{35}^{(64)}$ | . | -1 | 1 | . | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | 8 |
| $\chi_{35}^{(65)}$ | . | -1 | 1 | . | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | 8 |
| $\chi_{35}^{(66)}$ | . | -1 | 1 | . | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | 8 |
| $\chi_{35}^{(67)}$ | . | 2 | -2 | -4 | 4 | . | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 |
| $\chi_{35}^{(68)}$ | . | 2 | -2 | -4 | 4 | . | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 |
| $\chi_{35}^{(69)}$ | . | 2 | -2 | -4 | 4 | . | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 |
| $\chi_{35}^{(70)}$ | . | 2 | -2 | -4 | 4 | . | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 |
| $\chi_{35}^{(71)}$ | . | 2 | -2 | 4 | -4 | . | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 |
| $\chi_{35}^{(72)}$ | . | 2 | -2 | 4 | -4 | . | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 |
| $\chi_{35}^{(73)}$ | . | 2 | -2 | 4 | -4 | . | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 |
| $\chi_{35}^{(74)}$ | . | 2 | -2 | 4 | -4 | . | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 |
| $\chi_{35}^{(75)}$ | 8 | -4 | -4 | . | . | . | . | 8 | 8 | 8 | 8 | -4 | -4 | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | . | -4 |
| $\chi_{35}^{(76)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(77)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(78)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(79)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(80)}$ | -3 | . | . | -3 | -3 | 1 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(81)}$ | -3 | . | . | -3 | -3 | 1 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(82)}$ | -3 | . | . | -3 | -3 | 1 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(83)}$ | -3 | . | . | -3 | -3 | 1 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(84)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(85)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(86)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(87)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(88)}$ | -3 | . | . | 3 | 3 | -1 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(89)}$ | -3 | . | . | 3 | 3 | -1 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(90)}$ | -3 | . | . | 3 | 3 | -1 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(91)}$ | -3 | . | . | 3 | 3 | -1 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(92)}$ | -4 | -4 | -4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(93)}$ | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(94)}$ | 4 | . | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 |
| $\chi_{35}^{(95)}$ | 4 | . | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 |
| $\chi_{35}^{(96)}$ | -4 | 2 | 2 | . | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(97)}$ | -4 | 2 | 2 | . | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(98)}$ | 4 | . | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | -6 |
| $\chi_{35}^{(99)}$ | 4 | . | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | -6 |
| $\chi_{35}^{(100)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | 1 | 1 | . | . | . | 2 |

| | 50 | | | | | | | | | | 60 | | | | | | | | | | 70 | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(21)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(22)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(23)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | | |
| $\chi_{35}^{(24)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | | |
| $\chi_{35}^{(25)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | | |
| $\chi_{35}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | | |
| $\chi_{35}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | | |
| $\chi_{35}^{(28)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | | |
| $\chi_{35}^{(29)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | |
| $\chi_{35}^{(30)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | |
| $\chi_{35}^{(31)}$ | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | . | 4 | . | |
| $\chi_{35}^{(32)}$ | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | -4 | . | . | 1 | -1 | -2 | 2 | . | 4 | . | 4 | . | |
| $\chi_{35}^{(33)}$ | -4 | . | . | 1 | -1 | -2 | 2 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 | . | -4 | . | |
| $\chi_{35}^{(34)}$ | -4 | . | . | 1 | -1 | -2 | 2 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -4 | . | -4 | . | |
| $\chi_{35}^{(35)}$ | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | . | 4 | . | |
| $\chi_{35}^{(36)}$ | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | -4 | . | . | 1 | -1 | 2 | -2 | . | 4 | . | 4 | . | |
| $\chi_{35}^{(37)}$ | -4 | . | . | 1 | -1 | 2 | -2 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 | . | -4 | . | |
| $\chi_{35}^{(38)}$ | -4 | . | . | 1 | -1 | 2 | -2 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 | 4 | . | . | -1 | 1 | -2 | 2 | . | -4 | . | -4 | . | |
| $\chi_{35}^{(39)}$ | 4 | 4 | 4 | -2 | -2 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | -4 | . | -4 | . | |
| $\chi_{35}^{(40)}$ | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | 4 | . | 4 | . | |
| $\chi_{35}^{(41)}$ | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(42)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(47)}$ | 6 | -2 | 2 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | . | . | . | -6 | . |
| $\chi_{35}^{(48)}$ | 6 | -2 | 2 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | -6 | -6 | 2 | -2 | . | . | . | . | . | . | . | . | -6 | . |
| $\chi_{35}^{(49)}$ | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | . | . | . | . | 6 | . |
| $\chi_{35}^{(50)}$ | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | . | 6 | 6 | -2 | 2 | . | . | . | . | . | . | . | . | 6 | . |
| $\chi_{35}^{(51)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(52)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(53)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(54)}$ | -2 | -2 | -2 | 1 | 1 | . | . | . | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(55)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(56)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(57)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | |
| $\chi_{35}^{(58)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | . | |
| $\chi_{35}^{(59)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(60)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(61)}$ | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | . | |
| $\chi_{35}^{(62)}$ | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -4 | -4 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | . |
| $\chi_{35}^{(63)}$ | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | . | . | . | 8 |
| $\chi_{35}^{(64)}$ | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | 8 | -8 | . | . | -1 | 1 | . | . | . | . | . | . | . | 8 |
| $\chi_{35}^{(65)}$ | -8 | . | . | -1 | 1 | . | . | . | -8 | 8 | . | . | 1 | -1 | . | . | . | -8 | 8 | . | . | 1 | -1 | . | . | . | . | . | . | . | -8 |

| | 50 | | | | | | | | 60 | | | | | | | | 70 | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|----|
| $\chi_{35}^{(66)}$ | -8 | . | . | -1 | 1 | . | . | -8 | 8 | . | . | 1 | -1 | . | . | -8 | 8 | . | . | 1 | -1 | . | . | . | -8 | | |
| $\chi_{35}^{(67)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{35}^{(68)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{35}^{(69)}$ | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | 8 |
| $\chi_{35}^{(70)}$ | -8 | . | . | 2 | -2 | -4 | 4 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 | . | -8 |
| $\chi_{35}^{(71)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(72)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(73)}$ | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | 8 |
| $\chi_{35}^{(74)}$ | -8 | . | . | 2 | -2 | 4 | -4 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 | . | -8 |
| $\chi_{35}^{(75)}$ | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(76)}$ | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 1 | |
| $\chi_{35}^{(77)}$ | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 1 | |
| $\chi_{35}^{(78)}$ | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -1 | |
| $\chi_{35}^{(79)}$ | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -1 | |
| $\chi_{35}^{(80)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 |
| $\chi_{35}^{(81)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 |
| $\chi_{35}^{(82)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(83)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 |
| $\chi_{35}^{(84)}$ | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | |
| $\chi_{35}^{(85)}$ | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | |
| $\chi_{35}^{(86)}$ | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | |
| $\chi_{35}^{(87)}$ | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | |
| $\chi_{35}^{(88)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 |
| $\chi_{35}^{(89)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 |
| $\chi_{35}^{(90)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(91)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 |
| $\chi_{35}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(94)}$ | 12 | -4 | 4 | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | . | . | -12 | |
| $\chi_{35}^{(95)}$ | 12 | -4 | 4 | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | 12 | |
| $\chi_{35}^{(96)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(98)}$ | -6 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(99)}$ | -6 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(100)}$ | 2 | 2 | 2 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |

| | 50 | | | | | | | | 60 | | | | | | | | 70 | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|
| $\chi_{35}^{(101)}$ | 2 | 2 | 2 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(102)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(103)}$ | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(104)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 |
| $\chi_{35}^{(105)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 |
| $\chi_{35}^{(106)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 |
| $\chi_{35}^{(107)}$ | 4 | . | . | -1 | 1 | -2 | 2 | . | 8 | -8 | . | . | 2 | -2 | 4 | -4 | . | -8 | 8 | . | . | -2 | 2 | -4 | 4 |
| $\chi_{35}^{(108)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 |
| $\chi_{35}^{(109)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 |
| $\chi_{35}^{(110)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 |
| $\chi_{35}^{(111)}$ | 4 | . | . | -1 | 1 | 2 | -2 | . | 8 | -8 | . | . | 2 | -2 | -4 | 4 | . | -8 | 8 | . | . | -2 | 2 | 4 | -4 |
| $\chi_{35}^{(112)}$ | 8 | . | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(113)}$ | 8 | . | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(114)}$ | -16 | . | . | -2 | 2 | . | . | . | 16 | -16 | . | . | -2 | 2 | . | . | . | 16 | -16 | . | . | -2 | 2 | . | . |
| $\chi_{35}^{(115)}$ | -16 | . | . | -2 | 2 | . | . | . | -16 | 16 | . | . | 2 | -2 | . | . | . | -16 | 16 | . | . | 2 | -2 | . | . |
| $\chi_{35}^{(116)}$ | -4 | -4 | -4 | 2 | 2 | . | . | . | 8 | 8 | 8 | 8 | -4 | -4 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . |
| $\chi_{35}^{(117)}$ | -4 | -4 | -4 | 2 | 2 | . | . | . | -8 | -8 | -8 | -8 | 4 | 4 | . | . | . | 8 | 8 | 8 | 8 | -4 | -4 | . | . |
| $\chi_{35}^{(118)}$ | 8 | . | . | -2 | 2 | 4 | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(119)}$ | 8 | . | . | -2 | 2 | -4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(120)}$ | . | . | . | . | . | . | . | . | -6 | -6 | -6 | -6 | 3 | 3 | . | . | . | -6 | -6 | -6 | -6 | 3 | 3 | . | . |
| $\chi_{35}^{(121)}$ | . | . | . | . | . | . | . | . | -6 | -6 | -6 | -6 | 3 | 3 | . | . | . | -6 | -6 | -6 | -6 | 3 | 3 | . | . |
| $\chi_{35}^{(122)}$ | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -3 | -3 | . | . | . | 6 | 6 | 6 | 6 | -3 | -3 | . | . |
| $\chi_{35}^{(123)}$ | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -3 | -3 | . | . | . | 6 | 6 | 6 | 6 | -3 | -3 | . | . |
| $\chi_{35}^{(124)}$ | -9 | -1 | 3 | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(125)}$ | -9 | -1 | 3 | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(126)}$ | -9 | -1 | 3 | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(127)}$ | -9 | -1 | 3 | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(129)}$ | -12 | 4 | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(134)}$ | -6 | 2 | -2 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | |
| $\chi_{35}^{(135)}$ | -6 | 2 | -2 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | |
| $\chi_{35}^{(136)}$ | -6 | 2 | -2 | . | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | |
| $\chi_{35}^{(137)}$ | -6 | 2 | -2 | . | . | . | . | . | -12 | -12 | 4 | -4 | . | . | . | . | . | 12 | 12 | -4 | 4 | . | . | . | |
| $\chi_{35}^{(138)}$ | . | . | . | . | . | . | . | . | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 |
| $\chi_{35}^{(139)}$ | . | . | . | . | . | . | . | . | -9 | -9 | -1 | 3 | . | . | 3 | 3 | -1 | -9 | -9 | -1 | 3 | . | . | 3 | 3 |
| $\chi_{35}^{(140)}$ | . | . | . | . | . | . | . | . | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 |
| $\chi_{35}^{(141)}$ | . | . | . | . | . | . | . | . | 9 | 9 | 1 | -3 | . | . | -3 | -3 | 1 | 9 | 9 | 1 | -3 | . | . | -3 | -3 |
| $\chi_{35}^{(142)}$ | . | . | . | . | . | . | . | . | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 |
| $\chi_{35}^{(143)}$ | . | . | . | . | . | . | . | . | -9 | -9 | -1 | 3 | . | . | -3 | -3 | 1 | -9 | -9 | -1 | 3 | . | . | -3 | -3 |
| $\chi_{35}^{(144)}$ | . | . | . | . | . | . | . | . | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 |
| $\chi_{35}^{(145)}$ | . | . | . | . | . | . | . | . | 9 | 9 | 1 | -3 | . | . | 3 | 3 | -1 | 9 | 9 | 1 | -3 | . | . | 3 | 3 |

| | 50 | | | | | | | | 60 | | | | | | | | 70 | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|
| $\chi_{35}^{(191)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(192)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(193)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(194)}$ | . | . | . | . | . | . | . | . | -18 | -18 | 6 | -6 | . | . | . | . | -18 | -18 | 6 | -6 | . | . | . | 6 |
| $\chi_{35}^{(195)}$ | . | . | . | . | . | . | . | . | -18 | -18 | 6 | -6 | . | . | . | . | -18 | -18 | 6 | -6 | . | . | . | 6 |
| $\chi_{35}^{(196)}$ | . | . | . | . | . | . | . | . | 18 | 18 | -6 | 6 | . | . | . | . | 18 | 18 | -6 | 6 | . | . | . | -6 |
| $\chi_{35}^{(197)}$ | . | . | . | . | . | . | . | . | 18 | 18 | -6 | 6 | . | . | . | . | 18 | 18 | -6 | 6 | . | . | . | -6 |
| $\chi_{35}^{(198)}$ | -8 | . | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(199)}$ | -8 | . | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(200)}$ | 16 | . | . | 2 | -2 | . | . | . | -32 | 32 | . | . | 4 | -4 | . | . | 32 | -32 | . | . | -4 | 4 | . | . |
| $\chi_{35}^{(201)}$ | 16 | . | . | 2 | -2 | . | . | . | 32 | -32 | . | . | -4 | 4 | . | . | -32 | 32 | . | . | 4 | -4 | . | . |
| $\chi_{35}^{(202)}$ | -8 | . | . | 2 | -2 | 4 | -4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(203)}$ | -8 | . | . | 2 | -2 | -4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(204)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(205)}$ | 9 | 1 | -3 | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(206)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(207)}$ | 9 | 1 | -3 | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(208)}$ | . | . | . | . | . | . | . | . | 24 | -24 | . | . | -3 | 3 | . | . | 24 | -24 | . | . | -3 | 3 | . | -8 |
| $\chi_{35}^{(209)}$ | . | . | . | . | . | . | . | . | 24 | -24 | . | . | -3 | 3 | . | . | 24 | -24 | . | . | -3 | 3 | . | -8 |
| $\chi_{35}^{(210)}$ | . | . | . | . | . | . | . | . | -24 | 24 | . | . | 3 | -3 | . | . | -24 | 24 | . | . | 3 | -3 | . | 8 |
| $\chi_{35}^{(211)}$ | . | . | . | . | . | . | . | . | -24 | 24 | . | . | 3 | -3 | . | . | -24 | 24 | . | . | 3 | -3 | . | 8 |
| $\chi_{35}^{(212)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(213)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(214)}$ | 12 | -4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(215)}$ | -16 | . | . | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | 80 | | | | | | | | 90 | | | | | | | | 100 | | | | | | | |
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{35}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{35}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{35}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(9)}$ | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{35}^{(10)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{35}^{(11)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(12)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(13)}$ | -2 | -2 | -2 | -2 | 1 | 1 | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | 2 |
| $\chi_{35}^{(14)}$ | -2 | -2 | -2 | -2 | 1 | 1 | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | 2 |
| $\chi_{35}^{(15)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | 2 |
| $\chi_{35}^{(16)}$ | 2 | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | 2 |
| $\chi_{35}^{(17)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -1 |
| $\chi_{35}^{(18)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -1 |
| $\chi_{35}^{(19)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 |
| $\chi_{35}^{(20)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | 100 | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|---|---|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|--|--|--|--|--|
| $\chi_{35}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -2 | | | | | | | |
| $\chi_{35}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -2 | | | | | | | |
| $\chi_{35}^{(23)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{35}^{(24)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{35}^{(25)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{35}^{(26)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| $\chi_{35}^{(27)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | |
| $\chi_{35}^{(28)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | |
| $\chi_{35}^{(29)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | |
| $\chi_{35}^{(30)}$ | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | |
| $\chi_{35}^{(31)}$ | -4 | . | . | . | 1 | -1 | -2 | 2 | . | . | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | | | | | | | |
| $\chi_{35}^{(32)}$ | -4 | . | . | . | 1 | -1 | -2 | 2 | . | . | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | | | | | | | |
| $\chi_{35}^{(33)}$ | 4 | . | . | . | -1 | 1 | 2 | -2 | . | . | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | | | | | | | |
| $\chi_{35}^{(34)}$ | 4 | . | . | . | -1 | 1 | 2 | -2 | . | . | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | | | | | | | |
| $\chi_{35}^{(35)}$ | -4 | . | . | . | 1 | -1 | 2 | -2 | . | . | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | | | | | | | |
| $\chi_{35}^{(36)}$ | -4 | . | . | . | 1 | -1 | 2 | -2 | . | . | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | | | | | | | |
| $\chi_{35}^{(37)}$ | 4 | . | . | . | -1 | 1 | -2 | 2 | . | . | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | | | | | | | |
| $\chi_{35}^{(38)}$ | 4 | . | . | . | -1 | 1 | -2 | 2 | . | . | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | | | | | | | |
| $\chi_{35}^{(39)}$ | -4 | -4 | -4 | -4 | 2 | 2 | . | . | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | | | | | | | |
| $\chi_{35}^{(40)}$ | 4 | 4 | 4 | 4 | -2 | -2 | . | . | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | | | | | | | |
| $\chi_{35}^{(41)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 1 | | | | | |
| $\chi_{35}^{(42)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | | | | | |
| $\chi_{35}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | | | | | |
| $\chi_{35}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | | | | | |
| $\chi_{35}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | | | | | |
| $\chi_{35}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | | | | | |
| $\chi_{35}^{(47)}$ | -6 | 2 | 2 | -2 | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | | | | | | | |
| $\chi_{35}^{(48)}$ | -6 | 2 | 2 | -2 | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | | | | | | | |
| $\chi_{35}^{(49)}$ | 6 | -2 | -2 | 2 | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | | | | | | | |
| $\chi_{35}^{(50)}$ | 6 | -2 | -2 | 2 | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | | | | | | | |
| $\chi_{35}^{(51)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | | | | | | | |
| $\chi_{35}^{(52)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | | | | | | | |
| $\chi_{35}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | | | | | | | |
| $\chi_{35}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | | | | | | | |
| $\chi_{35}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | | | | | | |
| $\chi_{35}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | | | | | | |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | | | | | | |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | | | | | | |
| $\chi_{35}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | . | | | | | |
| $\chi_{35}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | . | | | | | |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | . | | | | | |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | . | | | | | |
| $\chi_{35}^{(63)}$ | -8 | . | . | . | -1 | 1 | . | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | | | | | | | |
| $\chi_{35}^{(64)}$ | -8 | . | . | . | -1 | 1 | . | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | | | | | | | |
| $\chi_{35}^{(65)}$ | 8 | . | . | . | 1 | -1 | . | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | | | | | | | |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | 100 | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|--|--|--|--|--|----|
| $\chi_{35}^{(66)}$ | 8 | . | . | . | 1 | -1 | . | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | | | | | | |
| $\chi_{35}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | 2 | -2 | -1 | | | | | | |
| $\chi_{35}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | 2 | -2 | -1 | | | | | | |
| $\chi_{35}^{(69)}$ | -8 | . | . | . | 2 | -2 | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | | | | | | |
| $\chi_{35}^{(70)}$ | 8 | . | . | . | -2 | 2 | 4 | -4 | . | . | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | | | | | | |
| $\chi_{35}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | -2 | 2 | -1 | | | | | | |
| $\chi_{35}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | -2 | 2 | -1 | | | | | | |
| $\chi_{35}^{(73)}$ | -8 | . | . | . | 2 | -2 | 4 | -4 | . | . | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | | | | | | |
| $\chi_{35}^{(74)}$ | 8 | . | . | . | -2 | 2 | -4 | 4 | . | . | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | | | | | | |
| $\chi_{35}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | -4 | -4 | 2 | 2 | 2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 2 | | | | | | |
| $\chi_{35}^{(76)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(77)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(78)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(79)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(80)}$ | -9 | -1 | -1 | 3 | . | . | 3 | 3 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(81)}$ | -9 | -1 | -1 | 3 | . | . | 3 | 3 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(82)}$ | 9 | 1 | 1 | -3 | . | . | -3 | -3 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(83)}$ | 9 | 1 | 1 | -3 | . | . | -3 | -3 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(84)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(85)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(86)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(87)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(88)}$ | -9 | -1 | -1 | 3 | . | . | -3 | -3 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(89)}$ | -9 | -1 | -1 | 3 | . | . | -3 | -3 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(90)}$ | 9 | 1 | 1 | -3 | . | . | 3 | 3 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(91)}$ | 9 | 1 | 1 | -3 | . | . | 3 | 3 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{35}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | 1 |
| $\chi_{35}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | 1 |
| $\chi_{35}^{(94)}$ | -12 | 4 | 4 | -4 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | | | | | | |
| $\chi_{35}^{(95)}$ | 12 | -4 | -4 | 4 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | | | | | | |
| $\chi_{35}^{(96)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | -2 |
| $\chi_{35}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | -2 |
| $\chi_{35}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | 6 | 6 | -2 | . | . | . | | | | | | |
| $\chi_{35}^{(99)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | 6 | 6 | -2 | . | . | . | | | | | | |
| $\chi_{35}^{(100)}$ | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | . | | | | | | |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | 100 | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|-----|----|--|--|--|--|--|--|--|--|
| $\chi_{35}^{(191)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(192)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(193)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(194)}$ | 6 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(195)}$ | 6 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(196)}$ | -6 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(197)}$ | -6 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(198)}$ | . | . | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | | | | | | | | |
| $\chi_{35}^{(199)}$ | . | . | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | | | | | | | | |
| $\chi_{35}^{(200)}$ | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | | | | | | | | |
| $\chi_{35}^{(201)}$ | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | | | | | | | | |
| $\chi_{35}^{(202)}$ | . | . | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | -2 | 2 | | | | | | | | |
| $\chi_{35}^{(203)}$ | . | . | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | 2 | -2 | | | | | | | | |
| $\chi_{35}^{(204)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(205)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(206)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(207)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(208)}$ | 8 | . | . | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(209)}$ | 8 | . | . | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(210)}$ | -8 | . | . | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(211)}$ | -8 | . | . | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(212)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | |
| $\chi_{35}^{(213)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | | | | | | | | |
| $\chi_{35}^{(214)}$ | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 6 | 6 | -2 | . | . | . | | | | | | | | |
| $\chi_{35}^{(215)}$ | . | . | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 4 | -4 | 4 | -4 | . | . | . | | | | | | | | |
| | 110 | | | | | | | | | | | | 120 | | | | | | | | | | | | | | | | | |
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(2)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(3)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(4)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(9)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(10)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(11)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | | | |
| $\chi_{35}^{(12)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | |
| $\chi_{35}^{(13)}$ | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | | | | | | | | | |
| $\chi_{35}^{(14)}$ | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | | | | | | | | | |
| $\chi_{35}^{(15)}$ | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | | | | | | | | | |
| $\chi_{35}^{(16)}$ | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | | | | | | | | | |
| $\chi_{35}^{(17)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | | | | | | | | | |
| $\chi_{35}^{(18)}$ | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | | | | | | | | | |
| $\chi_{35}^{(19)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | | | | | | | | | |
| $\chi_{35}^{(20)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | | | | | | | | | |

| | 110 | | | | | | | | | | | | 120 | | | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(21)}$ | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | |
| $\chi_{35}^{(22)}$ | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | |
| $\chi_{35}^{(23)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | |
| $\chi_{35}^{(24)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | |
| $\chi_{35}^{(25)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | |
| $\chi_{35}^{(26)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | |
| $\chi_{35}^{(27)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 1 | 1 | 1 |
| $\chi_{35}^{(28)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 1 | 1 | 1 |
| $\chi_{35}^{(29)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | -1 | -1 | -1 |
| $\chi_{35}^{(30)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | -1 | -1 | -1 |
| $\chi_{35}^{(31)}$ | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | |
| $\chi_{35}^{(32)}$ | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | |
| $\chi_{35}^{(33)}$ | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | -1 | 1 | 2 | |
| $\chi_{35}^{(34)}$ | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | -1 | 1 | 2 | |
| $\chi_{35}^{(35)}$ | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | |
| $\chi_{35}^{(36)}$ | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | |
| $\chi_{35}^{(37)}$ | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | -1 | 1 | 2 | |
| $\chi_{35}^{(38)}$ | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | -1 | 1 | 2 | |
| $\chi_{35}^{(39)}$ | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | 2 | 2 | -1 | |
| $\chi_{35}^{(40)}$ | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | 1 | |
| $\chi_{35}^{(41)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | . |
| $\chi_{35}^{(42)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . |
| $\chi_{35}^{(43)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . | . |
| $\chi_{35}^{(44)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . | . |
| $\chi_{35}^{(45)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . |
| $\chi_{35}^{(46)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . |
| $\chi_{35}^{(47)}$ | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | -3 | |
| $\chi_{35}^{(48)}$ | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | -3 | |
| $\chi_{35}^{(49)}$ | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | |
| $\chi_{35}^{(50)}$ | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | |
| $\chi_{35}^{(51)}$ | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 2 | 2 | -1 | |
| $\chi_{35}^{(52)}$ | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 2 | 2 | -1 | |
| $\chi_{35}^{(53)}$ | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | -2 | -2 | 1 | |
| $\chi_{35}^{(54)}$ | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | -2 | -2 | 1 | |
| $\chi_{35}^{(55)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | |
| $\chi_{35}^{(56)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| $\chi_{35}^{(59)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . |
| $\chi_{35}^{(60)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -1 | -1 | -1 |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | 1 | 1 | 1 |
| $\chi_{35}^{(63)}$ | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | |
| $\chi_{35}^{(64)}$ | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | |
| $\chi_{35}^{(65)}$ | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | -2 | 2 | -2 | |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(66)}$ | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | -2 | 2 | -2 |
| $\chi_{35}^{(67)}$ | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | . | . | . |
| $\chi_{35}^{(68)}$ | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | . | . | . |
| $\chi_{35}^{(69)}$ | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 |
| $\chi_{35}^{(70)}$ | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | -1 | 1 | 1 | -1 | -2 |
| $\chi_{35}^{(71)}$ | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | . | . | . |
| $\chi_{35}^{(72)}$ | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | . | . | . |
| $\chi_{35}^{(73)}$ | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 |
| $\chi_{35}^{(74)}$ | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | 1 | -1 | 1 | -1 | -2 |
| $\chi_{35}^{(75)}$ | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | . | . | . |
| $\chi_{35}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(85)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(86)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(87)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(88)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(89)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(90)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(91)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(92)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | . | . | . |
| $\chi_{35}^{(93)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . |
| $\chi_{35}^{(94)}$ | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | 3 |
| $\chi_{35}^{(95)}$ | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 |
| $\chi_{35}^{(96)}$ | -2 | 1 | 1 | 1 | . | . | 6 | 6 | -3 | -3 | -3 | . | . | 6 | 6 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{35}^{(97)}$ | -2 | 1 | 1 | 1 | . | . | 6 | 6 | -3 | -3 | -3 | . | . | 6 | 6 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{35}^{(98)}$ | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | . |
| $\chi_{35}^{(99)}$ | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | . |
| $\chi_{35}^{(100)}$ | . | . | . | . | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(101)}$ | . | . | . | . | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(102)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . |
| $\chi_{35}^{(103)}$ | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . |
| $\chi_{35}^{(104)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | -2 | 2 | 4 | -4 | . | 2 | -2 | -1 | 1 | 2 |
| $\chi_{35}^{(105)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | -2 | 2 | 4 | -4 | . | 2 | -2 | -1 | 1 | 2 |
| $\chi_{35}^{(106)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | -2 | 2 | 4 | -4 | . | 2 | -2 | 1 | -1 | -2 |
| $\chi_{35}^{(107)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | -2 | 2 | 4 | -4 | . | 2 | -2 | 1 | -1 | -2 |
| $\chi_{35}^{(108)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | -2 | 2 | 4 | -4 | . | -2 | 2 | -1 | 1 | 2 |
| $\chi_{35}^{(109)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | -2 | 2 | 4 | -4 | . | -2 | 2 | -1 | 1 | 2 |
| $\chi_{35}^{(110)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | -2 | 2 | 4 | -4 | . | -2 | 2 | 1 | -1 | -2 |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(111)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | -2 | 2 | 4 | -4 | . | -2 | 2 | 1 | -1 | -2 |
| $\chi_{35}^{(112)}$ | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . |
| $\chi_{35}^{(113)}$ | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . |
| $\chi_{35}^{(114)}$ | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 |
| $\chi_{35}^{(115)}$ | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | 2 | -2 | 2 |
| $\chi_{35}^{(116)}$ | . | . | . | . | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -2 | -2 | 1 |
| $\chi_{35}^{(117)}$ | . | . | . | . | . | . | -4 | -4 | 2 | 2 | 2 | . | . | 4 | 4 | -2 | -2 | -2 | . | . | 2 | 2 | -1 |
| $\chi_{35}^{(118)}$ | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | 1 | -1 | . | . | . |
| $\chi_{35}^{(119)}$ | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | -1 | 1 | . | . | . |
| $\chi_{35}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(121)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(122)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(128)}$ | 2 | -1 | -1 | -1 | . | . | -6 | -6 | 3 | 3 | 3 | . | . | -6 | -6 | 3 | 3 | 3 | . | . | . | . | . |
| $\chi_{35}^{(129)}$ | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | . |
| $\chi_{35}^{(130)}$ | 1 | 2 | -2 | . | -1 | 1 | 3 | -3 | -6 | 6 | . | 3 | -3 | 3 | -3 | -6 | 6 | . | 3 | -3 | . | . | . |
| $\chi_{35}^{(131)}$ | 1 | 2 | -2 | . | -1 | 1 | 3 | -3 | -6 | 6 | . | 3 | -3 | 3 | -3 | -6 | 6 | . | 3 | -3 | . | . | . |
| $\chi_{35}^{(132)}$ | 1 | 2 | -2 | . | 1 | -1 | 3 | -3 | -6 | 6 | . | -3 | 3 | 3 | -3 | -6 | 6 | . | -3 | 3 | . | . | . |
| $\chi_{35}^{(133)}$ | 1 | 2 | -2 | . | 1 | -1 | 3 | -3 | -6 | 6 | . | -3 | 3 | 3 | -3 | -6 | 6 | . | -3 | 3 | . | . | . |
| $\chi_{35}^{(134)}$ | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 3 |
| $\chi_{35}^{(135)}$ | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 3 |
| $\chi_{35}^{(136)}$ | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -6 | -6 | 2 | . | . | . | . | -3 |
| $\chi_{35}^{(137)}$ | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -6 | -6 | 2 | . | . | . | . | -3 |
| $\chi_{35}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(142)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(143)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(144)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(145)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(146)}$ | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | -2 | 2 | -2 |
| $\chi_{35}^{(147)}$ | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | -2 | 2 | -2 |
| $\chi_{35}^{(148)}$ | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 2 | -2 | 2 |
| $\chi_{35}^{(149)}$ | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 2 | -2 | 2 |
| $\chi_{35}^{(150)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | -2 | 2 | . | . | . |
| $\chi_{35}^{(151)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | -2 | 2 | . | . | . |
| $\chi_{35}^{(152)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | -2 | 2 | 1 | -1 | -2 |
| $\chi_{35}^{(153)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | 2 | -2 | 2 | -2 | -4 | 4 | . | -2 | 2 | -1 | 1 | 2 |
| $\chi_{35}^{(154)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | 2 | -2 | . | . | . |
| $\chi_{35}^{(155)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | 2 | -2 | . | . | . |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
|---------------------|-----|----|----|---|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(156)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | 2 | -2 | 1 | -1 | -2 |
| $\chi_{35}^{(157)}$ | . | . | . | . | . | . | -2 | 2 | 4 | -4 | . | -2 | 2 | 2 | -2 | -4 | 4 | . | 2 | -2 | -1 | 1 | 2 |
| $\chi_{35}^{(158)}$ | . | . | . | . | . | . | 4 | 4 | -2 | -2 | -2 | . | . | -4 | -4 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(159)}$ | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . |
| $\chi_{35}^{(160)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(161)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(162)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(163)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(164)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(165)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(166)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(167)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(168)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(169)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(170)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(171)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(172)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(173)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(174)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(175)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(176)}$ | . | -3 | -3 | 1 | . | . | . | . | 9 | 9 | -3 | . | . | . | . | 9 | 9 | -3 | . | . | . | . | . |
| $\chi_{35}^{(177)}$ | . | -3 | -3 | 1 | . | . | . | . | 9 | 9 | -3 | . | . | . | . | 9 | 9 | -3 | . | . | . | . | . |
| $\chi_{35}^{(178)}$ | -1 | -2 | 2 | . | 1 | -1 | -3 | 3 | 6 | -6 | . | -3 | 3 | -3 | 3 | 6 | -6 | . | -3 | 3 | . | . | . |
| $\chi_{35}^{(179)}$ | -1 | -2 | 2 | . | -1 | 1 | -3 | 3 | 6 | -6 | . | 3 | -3 | -3 | 3 | 6 | -6 | . | 3 | -3 | . | . | . |
| $\chi_{35}^{(180)}$ | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -3 |
| $\chi_{35}^{(181)}$ | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 6 | 6 | -2 | . | . | . | . | 3 |
| $\chi_{35}^{(182)}$ | 2 | -2 | 2 | . | . | . | 6 | -6 | 6 | -6 | . | . | . | 6 | -6 | 6 | -6 | . | . | . | . | . | . |
| $\chi_{35}^{(183)}$ | 2 | -2 | 2 | . | . | . | 6 | -6 | 6 | -6 | . | . | . | 6 | -6 | 6 | -6 | . | . | . | . | . | . |
| $\chi_{35}^{(184)}$ | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 6 | 6 | -2 | . | . | . | . | . |
| $\chi_{35}^{(185)}$ | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | . | . | 6 | 6 | -2 | . | . | . | . | . |
| $\chi_{35}^{(186)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(187)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(188)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(189)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(190)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(191)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(192)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(193)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(194)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(195)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(196)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(197)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(198)}$ | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 4 | -4 | 4 | -4 | . | . | . | . | . | . |
| $\chi_{35}^{(199)}$ | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 4 | -4 | 4 | -4 | . | . | . | . | . | . |
| $\chi_{35}^{(200)}$ | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 4 | -4 | 4 | -4 | . | . | . | 2 | -2 | 2 |

| | 110 | | | | | | | | | | 120 | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(201)}$ | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -2 | 2 | -2 |
| $\chi_{35}^{(202)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | -2 | 2 | -2 | 2 | 4 | -4 | . | 2 | -2 | . | . | . |
| $\chi_{35}^{(203)}$ | . | . | . | . | . | . | 2 | -2 | -4 | 4 | . | 2 | -2 | -2 | 2 | 4 | -4 | . | -2 | 2 | . | . | . |
| $\chi_{35}^{(204)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(205)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(206)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(207)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(208)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(209)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(210)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(211)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(212)}$ | . | 3 | 3 | -1 | . | . | . | . | -9 | -9 | 3 | . | . | . | . | -9 | -9 | 3 | . | . | . | . | . |
| $\chi_{35}^{(213)}$ | -2 | 2 | -2 | . | . | . | -6 | 6 | -6 | 6 | . | . | . | -6 | 6 | -6 | 6 | . | . | . | . | . | . |
| $\chi_{35}^{(214)}$ | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | . | . | -6 | -6 | 2 | . | . | . | . | . | . |
| $\chi_{35}^{(215)}$ | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | . | -4 | 4 | -4 | 4 | . | . | . | . | . | . |
| | 130 | | | | | | | | | | 140 | | | | | | | | | | | | |
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{35}^{(2)}$ | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{35}^{(3)}$ | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{35}^{(4)}$ | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{35}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{35}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{35}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{35}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{35}^{(9)}$ | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(10)}$ | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(12)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(13)}$ | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | |
| $\chi_{35}^{(14)}$ | 1 | 1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | |
| $\chi_{35}^{(15)}$ | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | |
| $\chi_{35}^{(16)}$ | -1 | -1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | |
| $\chi_{35}^{(17)}$ | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | |
| $\chi_{35}^{(18)}$ | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | |
| $\chi_{35}^{(19)}$ | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| $\chi_{35}^{(20)}$ | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | |
| $\chi_{35}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | -2 | -2 | . | . | . | . | 4 | 4 | |
| $\chi_{35}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | -4 | 2 | 2 | . | . | . | . | -4 | -4 | |
| $\chi_{35}^{(23)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | |
| $\chi_{35}^{(24)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | |
| $\chi_{35}^{(25)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | |
| $\chi_{35}^{(26)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | |
| $\chi_{35}^{(27)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | |
| $\chi_{35}^{(28)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| $\chi_{35}^{(29)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | |
| $\chi_{35}^{(30)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 |
| $\chi_{35}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 |
| $\chi_{35}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 |
| $\chi_{35}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 |
| $\chi_{35}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 |
| $\chi_{35}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 |
| $\chi_{35}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 |
| $\chi_{35}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 |
| $\chi_{35}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{35}^{(85)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{35}^{(86)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{35}^{(87)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{35}^{(88)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 |
| $\chi_{35}^{(89)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 |
| $\chi_{35}^{(90)}$ | . | . | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 |
| $\chi_{35}^{(91)}$ | . | . | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 |
| $\chi_{35}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(94)}$ | 3 | -1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(95)}$ | -3 | 1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(96)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | . | 4 | 4 | . | . |
| $\chi_{35}^{(99)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | . | -4 | -4 | . | . |
| $\chi_{35}^{(100)}$ | . | . | . | . | . | . | . | . | . | . | 8 | 8 | 8 | -4 | -4 | . | . | . | . | -8 | -8 |
| $\chi_{35}^{(101)}$ | . | . | . | . | . | . | . | . | . | . | -8 | -8 | -8 | 4 | 4 | . | . | . | . | 8 | 8 |
| $\chi_{35}^{(102)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(103)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(104)}$ | -2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | -1 | 1 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | -4 |
| $\chi_{35}^{(105)}$ | -2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | -1 | 1 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | -4 |
| $\chi_{35}^{(106)}$ | 2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | 1 | -1 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | -4 |
| $\chi_{35}^{(107)}$ | 2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | 1 | -1 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | -4 |
| $\chi_{35}^{(108)}$ | -2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | 1 | -1 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | -4 |
| $\chi_{35}^{(109)}$ | -2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | 1 | -1 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | -4 |
| $\chi_{35}^{(110)}$ | 2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | -1 | 1 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | -4 |
| $\chi_{35}^{(111)}$ | 2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | -1 | 1 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | -4 |
| $\chi_{35}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | 8 | -8 | . | 2 | -2 | . | . | . | . | 8 | -8 |
| $\chi_{35}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | -8 | 8 | . | -2 | 2 | . | . | . | . | -8 | 8 |
| $\chi_{35}^{(114)}$ | 2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(115)}$ | -2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(116)}$ | 1 | 1 | . | . | 2 | 2 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(117)}$ | -1 | -1 | . | . | -2 | -2 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | -3 | -3 | . | . | . | . | 6 | 6 |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(121)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | -6 | 3 | 3 | . | . | . | . | -6 | -6 |
| $\chi_{35}^{(122)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | -3 | -3 | . | . | . | . | 6 | 6 |
| $\chi_{35}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | -6 | 3 | 3 | . | . | . | . | -6 | -6 |
| $\chi_{35}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | -2 | 2 | -2 | -2 | 6 | 6 |
| $\chi_{35}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | 2 | -2 | 2 | 2 | -6 | -6 |
| $\chi_{35}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | 2 | -2 | 2 | 2 | 6 | 6 |
| $\chi_{35}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | -2 | 2 | -2 | -2 | -6 | -6 |
| $\chi_{35}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(129)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(134)}$ | 3 | -1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | . | . | -4 | . | 4 | 4 | . | . |
| $\chi_{35}^{(135)}$ | 3 | -1 | . | . | . | . | -3 | -3 | 1 | . | . | . | . | . | . | 4 | . | -4 | -4 | . | . |
| $\chi_{35}^{(136)}$ | -3 | 1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | . | . | -4 | . | 4 | 4 | . | . |
| $\chi_{35}^{(137)}$ | -3 | 1 | . | . | . | . | 3 | 3 | -1 | . | . | . | . | . | . | 4 | . | -4 | -4 | . | . |
| $\chi_{35}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | 9 | 9 | -3 | . | . | -3 | 3 | -3 | -3 | 9 | 9 |
| $\chi_{35}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | -9 | -9 | 3 | . | . | 3 | -3 | 3 | 3 | -9 | -9 |
| $\chi_{35}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | 9 | 9 | -3 | . | . | -3 | 3 | -3 | -3 | 9 | 9 |
| $\chi_{35}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | -9 | -9 | 3 | . | . | 3 | -3 | 3 | 3 | -9 | -9 |
| $\chi_{35}^{(142)}$ | . | . | . | . | . | . | . | . | . | . | 9 | 9 | -3 | . | . | 3 | -3 | 3 | 3 | 9 | 9 |
| $\chi_{35}^{(143)}$ | . | . | . | . | . | . | . | . | . | . | -9 | -9 | 3 | . | . | -3 | 3 | -3 | -3 | -9 | -9 |
| $\chi_{35}^{(144)}$ | . | . | . | . | . | . | . | . | . | . | 9 | 9 | -3 | . | . | 3 | -3 | 3 | 3 | 9 | 9 |
| $\chi_{35}^{(145)}$ | . | . | . | . | . | . | . | . | . | . | -9 | -9 | 3 | . | . | -3 | 3 | -3 | -3 | -9 | -9 |
| $\chi_{35}^{(146)}$ | 2 | . | . | . | 2 | -2 | 2 | -2 | . | . | -8 | 8 | . | -2 | 2 | . | . | . | . | 8 | -8 |
| $\chi_{35}^{(147)}$ | 2 | . | . | . | 2 | -2 | 2 | -2 | . | . | 8 | -8 | . | 2 | -2 | . | . | . | . | -8 | 8 |
| $\chi_{35}^{(148)}$ | -2 | . | . | . | -2 | 2 | -2 | 2 | . | . | -8 | 8 | . | -2 | 2 | . | . | . | . | 8 | -8 |
| $\chi_{35}^{(149)}$ | -2 | . | . | . | -2 | 2 | -2 | 2 | . | . | 8 | -8 | . | 2 | -2 | . | . | . | . | -8 | 8 |
| $\chi_{35}^{(150)}$ | . | . | . | . | . | . | . | . | . | . | -8 | 8 | . | 4 | -4 | . | . | -8 | 8 | 8 | -8 |
| $\chi_{35}^{(151)}$ | . | . | . | . | . | . | . | . | . | . | 8 | -8 | . | -4 | 4 | . | . | 8 | -8 | -8 | 8 |
| $\chi_{35}^{(152)}$ | 2 | . | -1 | 1 | -1 | 1 | 2 | -2 | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(153)}$ | -2 | . | 1 | -1 | 1 | -1 | -2 | 2 | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(154)}$ | . | . | . | . | . | . | . | . | . | . | -8 | 8 | . | 4 | -4 | . | . | 8 | -8 | 8 | -8 |
| $\chi_{35}^{(155)}$ | . | . | . | . | . | . | . | . | . | . | 8 | -8 | . | -4 | 4 | . | . | -8 | 8 | -8 | 8 |
| $\chi_{35}^{(156)}$ | 2 | . | 1 | -1 | -1 | 1 | 2 | -2 | . | -1 | 1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(157)}$ | -2 | . | -1 | 1 | 1 | -1 | -2 | 2 | . | 1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(158)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(159)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(160)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | 2 | -2 | 2 | 2 | -6 | -6 |
| $\chi_{35}^{(161)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | -2 | 2 | -2 | -2 | 6 | 6 |
| $\chi_{35}^{(162)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | 2 | -2 | 2 | 2 | -6 | -6 |
| $\chi_{35}^{(163)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | -2 | 2 | -2 | -2 | 6 | 6 |
| $\chi_{35}^{(164)}$ | . | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | -2 | 2 | -2 | -2 | -6 | -6 |
| $\chi_{35}^{(165)}$ | . | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | 2 | -2 | 2 | 2 | 6 | 6 |

| | 130 | | | | | | | | | | 140 | | | | | | | | | |
|---------------------|-----|----|---|---|----|----|----|----|---|-----|-----|----|----|----|----|----|----|----|-----|-----|
| $\chi_{35}^{(166)}$ | . | . | . | . | . | . | . | . | . | 6 | 6 | -2 | . | . | -2 | 2 | -2 | -2 | -6 | -6 |
| $\chi_{35}^{(167)}$ | . | . | . | . | . | . | . | . | . | -6 | -6 | 2 | . | . | 2 | -2 | 2 | 2 | 6 | 6 |
| $\chi_{35}^{(168)}$ | . | . | . | . | . | . | . | . | . | 6 | -6 | . | -3 | 3 | . | . | -6 | 6 | 6 | -6 |
| $\chi_{35}^{(169)}$ | . | . | . | . | . | . | . | . | . | -6 | 6 | . | 3 | -3 | . | . | 6 | -6 | -6 | 6 |
| $\chi_{35}^{(170)}$ | . | . | . | . | . | . | . | . | . | 6 | -6 | . | -3 | 3 | . | . | -6 | 6 | 6 | -6 |
| $\chi_{35}^{(171)}$ | . | . | . | . | . | . | . | . | . | -6 | 6 | . | 3 | -3 | . | . | 6 | -6 | -6 | 6 |
| $\chi_{35}^{(172)}$ | . | . | . | . | . | . | . | . | . | 6 | -6 | . | -3 | 3 | . | . | 6 | -6 | 6 | -6 |
| $\chi_{35}^{(173)}$ | . | . | . | . | . | . | . | . | . | -6 | 6 | . | 3 | -3 | . | . | -6 | 6 | -6 | 6 |
| $\chi_{35}^{(174)}$ | . | . | . | . | . | . | . | . | . | 6 | -6 | . | -3 | 3 | . | . | 6 | -6 | 6 | -6 |
| $\chi_{35}^{(175)}$ | . | . | . | . | . | . | . | . | . | -6 | 6 | . | 3 | -3 | . | . | -6 | 6 | -6 | 6 |
| $\chi_{35}^{(176)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(177)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(178)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(179)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(180)}$ | -3 | 1 | . | . | . | 3 | 3 | -1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(181)}$ | 3 | -1 | . | . | . | -3 | -3 | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(182)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(183)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(184)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -8 | . | 8 | 8 | . | . |
| $\chi_{35}^{(185)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 8 | . | -8 | -8 | . | . |
| $\chi_{35}^{(186)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(187)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(188)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(189)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(190)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(191)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(192)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(193)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(194)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -6 | . | 6 | 6 | . | . |
| $\chi_{35}^{(195)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 6 | . | -6 | -6 | . | . |
| $\chi_{35}^{(196)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -6 | . | 6 | 6 | . | . |
| $\chi_{35}^{(197)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 6 | . | -6 | -6 | . | . |
| $\chi_{35}^{(198)}$ | . | . | . | . | . | . | . | . | . | -16 | 16 | . | -4 | 4 | . | . | . | . | 16 | -16 |
| $\chi_{35}^{(199)}$ | . | . | . | . | . | . | . | . | . | 16 | -16 | . | 4 | -4 | . | . | . | . | -16 | 16 |
| $\chi_{35}^{(200)}$ | -2 | . | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(201)}$ | 2 | . | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(202)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(203)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(204)}$ | . | . | . | . | . | . | . | . | . | 12 | 12 | -4 | . | . | 4 | -4 | 4 | 4 | -12 | -12 |
| $\chi_{35}^{(205)}$ | . | . | . | . | . | . | . | . | . | -12 | -12 | 4 | . | . | -4 | 4 | -4 | -4 | 12 | 12 |
| $\chi_{35}^{(206)}$ | . | . | . | . | . | . | . | . | . | 12 | 12 | -4 | . | . | -4 | 4 | -4 | -4 | -12 | -12 |
| $\chi_{35}^{(207)}$ | . | . | . | . | . | . | . | . | . | -12 | -12 | 4 | . | . | 4 | -4 | 4 | 4 | 12 | 12 |
| $\chi_{35}^{(208)}$ | . | . | . | . | . | . | . | . | . | 12 | -12 | . | 3 | -3 | . | . | . | . | 12 | -12 |
| $\chi_{35}^{(209)}$ | . | . | . | . | . | . | . | . | . | -12 | 12 | . | -3 | 3 | . | . | . | . | -12 | 12 |
| $\chi_{35}^{(210)}$ | . | . | . | . | . | . | . | . | . | 12 | -12 | . | 3 | -3 | . | . | . | . | 12 | -12 |

| | 130 | | | | | | | | | | 140 | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|-----|----|
| $\chi_{35}^{(211)}$ | . | . | . | . | . | . | . | . | . | . | -12 | 12 | . | -3 | 3 | . | . | . | . | -12 | 12 |
| $\chi_{35}^{(212)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(213)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(214)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(215)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| χ_{35} | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | 150 | | | | | | | | | | 160 | | | | | | | | | | |
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(2)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(3)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(4)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(9)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(10)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(11)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(12)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(13)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 |
| $\chi_{35}^{(14)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 |
| $\chi_{35}^{(15)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 |
| $\chi_{35}^{(16)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 |
| $\chi_{35}^{(17)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(18)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(19)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(20)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(21)}$ | 4 | -2 | -2 | . | . | . | . | 4 | 4 | 4 | -2 | -2 | . | . | . | . | -2 | -2 | -2 | 1 | 1 |
| $\chi_{35}^{(22)}$ | -4 | 2 | 2 | . | . | . | . | -4 | -4 | -4 | 2 | 2 | . | . | . | . | 2 | 2 | 2 | -1 | -1 |
| $\chi_{35}^{(23)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(24)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(25)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(26)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(27)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(28)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(29)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(30)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(31)}$ | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | |
| $\chi_{35}^{(32)}$ | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | |
| $\chi_{35}^{(33)}$ | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | |
| $\chi_{35}^{(34)}$ | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | |
| $\chi_{35}^{(35)}$ | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | |
| $\chi_{35}^{(36)}$ | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | |
| $\chi_{35}^{(37)}$ | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | |
| $\chi_{35}^{(38)}$ | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | |
| $\chi_{35}^{(39)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(40)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |

| | 150 | | | | | | | | | | 160 | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(41)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(42)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(47)}$ | . | . | . | -2 | . | 2 | 2 | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | -2 |
| $\chi_{35}^{(48)}$ | . | . | . | 2 | . | -2 | -2 | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | 2 |
| $\chi_{35}^{(49)}$ | . | . | . | -2 | . | 2 | 2 | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | -2 |
| $\chi_{35}^{(50)}$ | . | . | . | 2 | . | -2 | -2 | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | 2 |
| $\chi_{35}^{(51)}$ | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . |
| $\chi_{35}^{(52)}$ | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . |
| $\chi_{35}^{(53)}$ | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . |
| $\chi_{35}^{(54)}$ | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . |
| $\chi_{35}^{(55)}$ | -4 | -4 | -4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(56)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(59)}$ | -4 | -4 | -4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(60)}$ | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(63)}$ | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | 4 | -4 | . | 1 | -1 |
| $\chi_{35}^{(64)}$ | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | -4 | 4 | . | -1 | 1 |
| $\chi_{35}^{(65)}$ | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | 4 | -4 | . | 1 | -1 |
| $\chi_{35}^{(66)}$ | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | -4 | 4 | . | -1 | 1 |
| $\chi_{35}^{(67)}$ | . | -2 | 2 | . | . | -4 | 4 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | -2 | 2 | . | 1 |
| $\chi_{35}^{(68)}$ | . | 2 | -2 | . | . | 4 | -4 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | 2 | -2 | . | -1 |
| $\chi_{35}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(71)}$ | . | -2 | 2 | . | . | 4 | -4 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | -2 | 2 | . | 1 |
| $\chi_{35}^{(72)}$ | . | 2 | -2 | . | . | -4 | 4 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | 2 | -2 | . | -1 |
| $\chi_{35}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(76)}$ | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(77)}$ | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(78)}$ | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(79)}$ | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(80)}$ | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . |
| $\chi_{35}^{(81)}$ | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . |
| $\chi_{35}^{(82)}$ | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . |
| $\chi_{35}^{(83)}$ | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . |
| $\chi_{35}^{(84)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(85)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . |

| | 150 | | | | | | | | | | 160 | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(134)}$ | . | . | . | 4 | . | -4 | -4 | . | . | . | . | . | . | . | . | . | . | . | 2 | . |
| $\chi_{35}^{(135)}$ | . | . | . | -4 | . | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | -2 | . |
| $\chi_{35}^{(136)}$ | . | . | . | 4 | . | -4 | -4 | . | . | . | . | . | . | . | . | . | . | . | 2 | . |
| $\chi_{35}^{(137)}$ | . | . | . | -4 | . | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | -2 | . |
| $\chi_{35}^{(138)}$ | -3 | . | . | -3 | 3 | -3 | -3 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(139)}$ | 3 | . | . | 3 | -3 | 3 | 3 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(140)}$ | -3 | . | . | -3 | 3 | -3 | -3 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(141)}$ | 3 | . | . | 3 | -3 | 3 | 3 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(142)}$ | -3 | . | . | 3 | -3 | 3 | 3 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(143)}$ | 3 | . | . | -3 | 3 | -3 | -3 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(144)}$ | -3 | . | . | 3 | -3 | 3 | 3 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | . | . | . | . |
| $\chi_{35}^{(145)}$ | 3 | . | . | -3 | 3 | -3 | -3 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | . | . | . | . |
| $\chi_{35}^{(146)}$ | . | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | . | 1 | -1 |
| $\chi_{35}^{(147)}$ | . | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | . | -1 | 1 |
| $\chi_{35}^{(148)}$ | . | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | . | 1 | -1 |
| $\chi_{35}^{(149)}$ | . | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | . | -1 | 1 |
| $\chi_{35}^{(150)}$ | . | -4 | 4 | . | . | 8 | -8 | . | . | . | . | . | . | . | . | -2 | 2 | . | 1 | -1 |
| $\chi_{35}^{(151)}$ | . | 4 | -4 | . | . | -8 | 8 | . | . | . | . | . | . | . | . | 2 | -2 | . | -1 | 1 |
| $\chi_{35}^{(152)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(153)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(154)}$ | . | -4 | 4 | . | . | -8 | 8 | . | . | . | . | . | . | . | . | -2 | 2 | . | 1 | -1 |
| $\chi_{35}^{(155)}$ | . | 4 | -4 | . | . | 8 | -8 | . | . | . | . | . | . | . | . | 2 | -2 | . | -1 | 1 |
| $\chi_{35}^{(156)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(157)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(158)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(159)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(160)}$ | 2 | . | . | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | -1 |
| $\chi_{35}^{(161)}$ | -2 | . | . | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | 1 |
| $\chi_{35}^{(162)}$ | 2 | . | . | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | -1 |
| $\chi_{35}^{(163)}$ | -2 | . | . | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | 1 |
| $\chi_{35}^{(164)}$ | 2 | . | . | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | -1 |
| $\chi_{35}^{(165)}$ | -2 | . | . | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | 1 |
| $\chi_{35}^{(166)}$ | 2 | . | . | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | -3 | -3 | 1 | . | -1 |
| $\chi_{35}^{(167)}$ | -2 | . | . | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | 3 | 3 | -1 | . | 1 |
| $\chi_{35}^{(168)}$ | . | -3 | 3 | . | . | -6 | 6 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | . | . | . | . |
| $\chi_{35}^{(169)}$ | . | 3 | -3 | . | . | 6 | -6 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | . | . | . | . |
| $\chi_{35}^{(170)}$ | . | -3 | 3 | . | . | -6 | 6 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | . | . | . | . |
| $\chi_{35}^{(171)}$ | . | 3 | -3 | . | . | 6 | -6 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | . | . | . | . |
| $\chi_{35}^{(172)}$ | . | -3 | 3 | . | . | 6 | -6 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | . | . | . | . |
| $\chi_{35}^{(173)}$ | . | 3 | -3 | . | . | -6 | 6 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | . | . | . | . |
| $\chi_{35}^{(174)}$ | . | -3 | 3 | . | . | 6 | -6 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | . | . | . | . |
| $\chi_{35}^{(175)}$ | . | 3 | -3 | . | . | -6 | 6 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | . | . | . | . |

| | 170 | | | | | | | | | | 180 | | | | | | | | | | 190 | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|--|--|
| $\chi_{35}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | | | |
| $\chi_{35}^{(47)}$ | 2 | 2 | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | 2 | . | -2 | -2 | . | . | | | |
| $\chi_{35}^{(48)}$ | -2 | -2 | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | -2 | . | 2 | 2 | . | . | | | |
| $\chi_{35}^{(49)}$ | 2 | 2 | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | -2 | . | 2 | 2 | . | . | | | |
| $\chi_{35}^{(50)}$ | -2 | -2 | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | 2 | . | -2 | -2 | . | . | | | |
| $\chi_{35}^{(51)}$ | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | | |
| $\chi_{35}^{(52)}$ | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | | |
| $\chi_{35}^{(53)}$ | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | | |
| $\chi_{35}^{(54)}$ | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | | |
| $\chi_{35}^{(55)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(56)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(59)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(60)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(63)}$ | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | 4 | -4 | | |
| $\chi_{35}^{(64)}$ | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | -4 | 4 | | |
| $\chi_{35}^{(65)}$ | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | -4 | 4 | | |
| $\chi_{35}^{(66)}$ | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | 4 | -4 | | |
| $\chi_{35}^{(67)}$ | 2 | -2 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(68)}$ | -2 | 2 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(71)}$ | -2 | 2 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(72)}$ | 2 | -2 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{35}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | | |
| $\chi_{35}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{35}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{35}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | | |
| $\chi_{35}^{(80)}$ | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | | |
| $\chi_{35}^{(81)}$ | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | | |
| $\chi_{35}^{(82)}$ | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | | |
| $\chi_{35}^{(83)}$ | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | | |
| $\chi_{35}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(85)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(86)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(87)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(88)}$ | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | | |
| $\chi_{35}^{(89)}$ | -1 | -1 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | | |
| $\chi_{35}^{(90)}$ | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | | |

[illegible]

| | 200 | | | | | | | | | | 210 | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{35}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(2)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(3)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(4)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{35}^{(5)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{35}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{35}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{35}^{(9)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(10)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(11)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(12)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(13)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 |
| $\chi_{35}^{(14)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 |
| $\chi_{35}^{(15)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 |
| $\chi_{35}^{(16)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 |
| $\chi_{35}^{(17)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(18)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(19)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(20)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(23)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(24)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(25)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(26)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(27)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(28)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(29)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(30)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(31)}$ | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 |
| $\chi_{35}^{(32)}$ | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 |
| $\chi_{35}^{(33)}$ | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 | -1 | . | . | 2 | -2 | -2 | 2 | . | 1 |
| $\chi_{35}^{(34)}$ | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 | 1 | . | . | -2 | 2 | 2 | -2 | . | -1 |
| $\chi_{35}^{(35)}$ | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 |
| $\chi_{35}^{(36)}$ | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 |
| $\chi_{35}^{(37)}$ | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 | -1 | . | . | -2 | 2 | -2 | 2 | . | 1 |
| $\chi_{35}^{(38)}$ | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 | 1 | . | . | 2 | -2 | 2 | -2 | . | -1 |
| $\chi_{35}^{(39)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(40)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(41)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(42)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{35}^{(43)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{35}^{(44)}$ | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{35}^{(45)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . |

| | 200 | | | | | | | | | | | | | | 210 | | | | | | | | | | | | | |
|--------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| $\chi_{35}^{(46)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(47)}$ | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | . | 2 | . | . | . | . | |
| $\chi_{35}^{(48)}$ | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | . | -2 | . | . | . | . | |
| $\chi_{35}^{(49)}$ | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | -2 | . | 2 | 2 | . | . | . | . | . | . | -2 | . | . | . | . | |
| $\chi_{35}^{(50)}$ | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | 2 | . | -2 | -2 | . | . | . | . | . | . | 2 | . | . | . | . | |
| $\chi_{35}^{(51)}$ | 4 | -2 | -2 | . | . | . | . | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(52)}$ | -4 | 2 | 2 | . | . | . | . | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(53)}$ | -4 | 2 | 2 | . | . | . | . | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(54)}$ | 4 | -2 | -2 | . | . | . | . | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(63)}$ | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | . | . | |
| $\chi_{35}^{(64)}$ | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | . | . | |
| $\chi_{35}^{(65)}$ | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | -4 | 4 | . | -1 | 1 | . | . | . | . | . | . | |
| $\chi_{35}^{(66)}$ | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | 4 | -4 | . | 1 | -1 | . | . | . | . | . | . | |
| $\chi_{35}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(76)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(77)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(78)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(79)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(80)}$ | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | . | . | 1 | -1 | |
| $\chi_{35}^{(81)}$ | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | . | . | -1 | 1 | |
| $\chi_{35}^{(82)}$ | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | -1 | -1 | 3 | 3 | -1 | . | . | -1 | 1 | . | . | -1 | 1 | |
| $\chi_{35}^{(83)}$ | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | 1 | 1 | -3 | -3 | 1 | . | . | 1 | -1 | . | . | 1 | -1 | |
| $\chi_{35}^{(84)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(85)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(86)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| $\chi_{35}^{(87)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{35}^{(88)}$ | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | 1 | . | . | -1 | 1 | . | . | -1 | 1 | |
| $\chi_{35}^{(89)}$ | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | . | . | 1 | -1 | |
| $\chi_{35}^{(90)}$ | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | 1 | 1 | 3 | 3 | -1 | . | . | 1 | -1 | . | . | 1 | -1 | |

| | 200 | | | | | | | | | | | | 210 | | | | | | | | | | | |
|---------------------|-----|----|----|----|---|----|----|----|----|----|----|----|-----|---|----|----|----|----|----|----|----|----|---|--|
| $\chi_{35}^{(91)}$ | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | 1 | . | . | -1 | 1 | -1 | -1 | -3 | -3 | 1 | . | . | -1 | 1 | |
| $\chi_{35}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(94)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(95)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(96)}$ | 4 | -2 | -2 | . | . | . | . | 4 | 4 | 4 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(97)}$ | -4 | 2 | 2 | . | . | . | . | -4 | -4 | -4 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(99)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(100)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(101)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(102)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(103)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(104)}$ | . | -2 | 2 | . | . | 4 | -4 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(105)}$ | . | 2 | -2 | . | . | -4 | 4 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(106)}$ | . | 2 | -2 | . | . | -4 | 4 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(107)}$ | . | -2 | 2 | . | . | 4 | -4 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(108)}$ | . | -2 | 2 | . | . | -4 | 4 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(109)}$ | . | 2 | -2 | . | . | 4 | -4 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(110)}$ | . | 2 | -2 | . | . | 4 | -4 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(111)}$ | . | -2 | 2 | . | . | -4 | 4 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(115)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(120)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | |
| $\chi_{35}^{(121)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | |
| $\chi_{35}^{(122)}$ | 2 | -1 | -1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | |
| $\chi_{35}^{(123)}$ | -2 | 1 | 1 | . | . | . | . | -2 | -2 | -2 | 1 | 1 | . | . | . | . | 2 | 2 | 2 | -1 | -1 | . | . | |
| $\chi_{35}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(129)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{35}^{(130)}$ | . | 2 | -2 | . | . | 4 | -4 | -4 | 4 | . | 2 | -2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(131)}$ | . | -2 | 2 | . | . | -4 | 4 | 4 | -4 | . | -2 | 2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(132)}$ | . | 2 | -2 | . | . | -4 | 4 | -4 | 4 | . | 2 | -2 | . | . | -4 | 4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(133)}$ | . | -2 | 2 | . | . | 4 | -4 | 4 | -4 | . | -2 | 2 | . | . | 4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(134)}$ | . | . | . | -4 | . | 4 | 4 | . | . | . | . | . | 4 | . | -4 | -4 | . | . | . | . | . | . | . | |
| $\chi_{35}^{(135)}$ | . | . | . | 4 | . | -4 | -4 | . | . | . | . | . | -4 | . | 4 | 4 | . | . | . | . | . | . | . | |

| | | |
|--------------------|----|----|
| $\chi_{35}^{(1)}$ | 1 | 1 |
| $\chi_{35}^{(2)}$ | -1 | -1 |
| $\chi_{35}^{(3)}$ | 1 | 1 |
| $\chi_{35}^{(4)}$ | 1 | 1 |
| $\chi_{35}^{(5)}$ | -1 | -1 |
| $\chi_{35}^{(6)}$ | 1 | 1 |
| $\chi_{35}^{(7)}$ | -1 | -1 |
| $\chi_{35}^{(8)}$ | -1 | -1 |
| $\chi_{35}^{(9)}$ | . | . |
| $\chi_{35}^{(10)}$ | . | . |
| $\chi_{35}^{(11)}$ | . | . |
| $\chi_{35}^{(12)}$ | . | . |
| $\chi_{35}^{(13)}$ | . | . |
| $\chi_{35}^{(14)}$ | . | . |
| $\chi_{35}^{(15)}$ | . | . |
| $\chi_{35}^{(16)}$ | . | . |
| $\chi_{35}^{(17)}$ | . | . |
| $\chi_{35}^{(18)}$ | . | . |
| $\chi_{35}^{(19)}$ | . | . |
| $\chi_{35}^{(20)}$ | . | . |
| $\chi_{35}^{(21)}$ | . | . |
| $\chi_{35}^{(22)}$ | . | . |
| $\chi_{35}^{(23)}$ | . | . |
| $\chi_{35}^{(24)}$ | . | . |
| $\chi_{35}^{(25)}$ | . | . |
| $\chi_{35}^{(26)}$ | . | . |
| $\chi_{35}^{(27)}$ | . | . |
| $\chi_{35}^{(28)}$ | . | . |
| $\chi_{35}^{(29)}$ | . | . |
| $\chi_{35}^{(30)}$ | . | . |
| $\chi_{35}^{(31)}$ | -2 | 2 |
| $\chi_{35}^{(32)}$ | 2 | -2 |
| $\chi_{35}^{(33)}$ | 2 | -2 |
| $\chi_{35}^{(34)}$ | -2 | 2 |
| $\chi_{35}^{(35)}$ | 2 | -2 |
| $\chi_{35}^{(36)}$ | -2 | 2 |
| $\chi_{35}^{(37)}$ | -2 | 2 |
| $\chi_{35}^{(38)}$ | 2 | -2 |
| $\chi_{35}^{(39)}$ | . | . |
| $\chi_{35}^{(40)}$ | . | . |
| $\chi_{35}^{(41)}$ | . | . |
| $\chi_{35}^{(42)}$ | . | . |
| $\chi_{35}^{(43)}$ | . | . |
| $\chi_{35}^{(44)}$ | . | . |
| $\chi_{35}^{(45)}$ | . | . |

| $\chi_{35}^{(46)}$ | · | · |
|--------------------|----|----|
| $\chi_{35}^{(47)}$ | -2 | -2 |
| $\chi_{35}^{(48)}$ | 2 | 2 |
| $\chi_{35}^{(49)}$ | 2 | 2 |
| $\chi_{35}^{(50)}$ | -2 | -2 |
| $\chi_{35}^{(51)}$ | · | · |
| $\chi_{35}^{(52)}$ | · | · |
| $\chi_{35}^{(53)}$ | · | · |
| $\chi_{35}^{(54)}$ | · | · |
| $\chi_{35}^{(55)}$ | · | · |
| $\chi_{35}^{(56)}$ | · | · |
| $\chi_{35}^{(57)}$ | · | · |
| $\chi_{35}^{(58)}$ | · | · |
| $\chi_{35}^{(59)}$ | · | · |
| $\chi_{35}^{(60)}$ | · | · |
| $\chi_{35}^{(61)}$ | · | · |
| $\chi_{35}^{(62)}$ | · | · |
| $\chi_{35}^{(63)}$ | · | · |
| $\chi_{35}^{(64)}$ | · | · |
| $\chi_{35}^{(65)}$ | · | · |
| $\chi_{35}^{(66)}$ | · | · |
| $\chi_{35}^{(67)}$ | · | · |
| $\chi_{35}^{(68)}$ | · | · |
| $\chi_{35}^{(69)}$ | · | · |
| $\chi_{35}^{(70)}$ | · | · |
| $\chi_{35}^{(71)}$ | · | · |
| $\chi_{35}^{(72)}$ | · | · |
| $\chi_{35}^{(73)}$ | · | · |
| $\chi_{35}^{(74)}$ | · | · |
| $\chi_{35}^{(75)}$ | · | · |
| $\chi_{35}^{(76)}$ | -1 | -1 |
| $\chi_{35}^{(77)}$ | 1 | 1 |
| $\chi_{35}^{(78)}$ | 1 | 1 |
| $\chi_{35}^{(79)}$ | -1 | -1 |
| $\chi_{35}^{(80)}$ | 1 | 1 |
| $\chi_{35}^{(81)}$ | -1 | -1 |
| $\chi_{35}^{(82)}$ | -1 | -1 |
| $\chi_{35}^{(83)}$ | 1 | 1 |
| $\chi_{35}^{(84)}$ | 1 | 1 |
| $\chi_{35}^{(85)}$ | -1 | -1 |
| $\chi_{35}^{(86)}$ | -1 | -1 |
| $\chi_{35}^{(87)}$ | 1 | 1 |
| $\chi_{35}^{(88)}$ | -1 | -1 |
| $\chi_{35}^{(89)}$ | 1 | 1 |
| $\chi_{35}^{(90)}$ | 1 | 1 |

| | | |
|---------------------|----|----|
| | | |
| $\chi_{35}^{(91)}$ | -1 | -1 |
| $\chi_{35}^{(92)}$ | . | . |
| $\chi_{35}^{(93)}$ | . | . |
| $\chi_{35}^{(94)}$ | . | . |
| $\chi_{35}^{(95)}$ | . | . |
| $\chi_{35}^{(96)}$ | . | . |
| $\chi_{35}^{(97)}$ | . | . |
| $\chi_{35}^{(98)}$ | . | . |
| $\chi_{35}^{(99)}$ | . | . |
| $\chi_{35}^{(100)}$ | . | . |
| $\chi_{35}^{(101)}$ | . | . |
| $\chi_{35}^{(102)}$ | . | . |
| $\chi_{35}^{(103)}$ | . | . |
| $\chi_{35}^{(104)}$ | . | . |
| $\chi_{35}^{(105)}$ | . | . |
| $\chi_{35}^{(106)}$ | . | . |
| $\chi_{35}^{(107)}$ | . | . |
| $\chi_{35}^{(108)}$ | . | . |
| $\chi_{35}^{(109)}$ | . | . |
| $\chi_{35}^{(110)}$ | . | . |
| $\chi_{35}^{(111)}$ | . | . |
| $\chi_{35}^{(112)}$ | . | . |
| $\chi_{35}^{(113)}$ | . | . |
| $\chi_{35}^{(114)}$ | . | . |
| $\chi_{35}^{(115)}$ | . | . |
| $\chi_{35}^{(116)}$ | . | . |
| $\chi_{35}^{(117)}$ | . | . |
| $\chi_{35}^{(118)}$ | . | . |
| $\chi_{35}^{(119)}$ | . | . |
| $\chi_{35}^{(120)}$ | . | . |
| $\chi_{35}^{(121)}$ | . | . |
| $\chi_{35}^{(122)}$ | . | . |
| $\chi_{35}^{(123)}$ | . | . |
| $\chi_{35}^{(124)}$ | . | . |
| $\chi_{35}^{(125)}$ | . | . |
| $\chi_{35}^{(126)}$ | . | . |
| $\chi_{35}^{(127)}$ | . | . |
| $\chi_{35}^{(128)}$ | . | . |
| $\chi_{35}^{(129)}$ | . | . |
| $\chi_{35}^{(130)}$ | . | . |
| $\chi_{35}^{(131)}$ | . | . |
| $\chi_{35}^{(132)}$ | . | . |
| $\chi_{35}^{(133)}$ | . | . |
| $\chi_{35}^{(134)}$ | . | . |
| $\chi_{35}^{(135)}$ | . | . |

| $\chi_{35}^{(136)}$ | · | · |
|---------------------|----|----|
| $\chi_{35}^{(137)}$ | · | · |
| $\chi_{35}^{(138)}$ | -1 | -1 |
| $\chi_{35}^{(139)}$ | 1 | 1 |
| $\chi_{35}^{(140)}$ | 1 | 1 |
| $\chi_{35}^{(141)}$ | -1 | -1 |
| $\chi_{35}^{(142)}$ | 1 | 1 |
| $\chi_{35}^{(143)}$ | -1 | -1 |
| $\chi_{35}^{(144)}$ | -1 | -1 |
| $\chi_{35}^{(145)}$ | 1 | 1 |
| $\chi_{35}^{(146)}$ | · | · |
| $\chi_{35}^{(147)}$ | · | · |
| $\chi_{35}^{(148)}$ | · | · |
| $\chi_{35}^{(149)}$ | · | · |
| $\chi_{35}^{(150)}$ | · | · |
| $\chi_{35}^{(151)}$ | · | · |
| $\chi_{35}^{(152)}$ | · | · |
| $\chi_{35}^{(153)}$ | · | · |
| $\chi_{35}^{(154)}$ | · | · |
| $\chi_{35}^{(155)}$ | · | · |
| $\chi_{35}^{(156)}$ | · | · |
| $\chi_{35}^{(157)}$ | · | · |
| $\chi_{35}^{(158)}$ | · | · |
| $\chi_{35}^{(159)}$ | · | · |
| $\chi_{35}^{(160)}$ | · | · |
| $\chi_{35}^{(161)}$ | · | · |
| $\chi_{35}^{(162)}$ | · | · |
| $\chi_{35}^{(163)}$ | · | · |
| $\chi_{35}^{(164)}$ | · | · |
| $\chi_{35}^{(165)}$ | · | · |
| $\chi_{35}^{(166)}$ | · | · |
| $\chi_{35}^{(167)}$ | · | · |
| $\chi_{35}^{(168)}$ | 2 | -2 |
| $\chi_{35}^{(169)}$ | -2 | 2 |
| $\chi_{35}^{(170)}$ | -2 | 2 |
| $\chi_{35}^{(171)}$ | 2 | -2 |
| $\chi_{35}^{(172)}$ | -2 | 2 |
| $\chi_{35}^{(173)}$ | 2 | -2 |
| $\chi_{35}^{(174)}$ | 2 | -2 |
| $\chi_{35}^{(175)}$ | -2 | 2 |
| $\chi_{35}^{(176)}$ | · | · |
| $\chi_{35}^{(177)}$ | · | · |
| $\chi_{35}^{(178)}$ | · | · |
| $\chi_{35}^{(179)}$ | · | · |
| $\chi_{35}^{(180)}$ | · | · |

| | | |
|---------------------|----|----|
| | | |
| $\chi_{35}^{(181)}$ | . | . |
| $\chi_{35}^{(182)}$ | . | . |
| $\chi_{35}^{(183)}$ | . | . |
| $\chi_{35}^{(184)}$ | . | . |
| $\chi_{35}^{(185)}$ | . | . |
| $\chi_{35}^{(186)}$ | . | . |
| $\chi_{35}^{(187)}$ | . | . |
| $\chi_{35}^{(188)}$ | . | . |
| $\chi_{35}^{(189)}$ | . | . |
| $\chi_{35}^{(190)}$ | . | . |
| $\chi_{35}^{(191)}$ | . | . |
| $\chi_{35}^{(192)}$ | . | . |
| $\chi_{35}^{(193)}$ | . | . |
| $\chi_{35}^{(194)}$ | 2 | 2 |
| $\chi_{35}^{(195)}$ | -2 | -2 |
| $\chi_{35}^{(196)}$ | -2 | -2 |
| $\chi_{35}^{(197)}$ | 2 | 2 |
| $\chi_{35}^{(198)}$ | . | . |
| $\chi_{35}^{(199)}$ | . | . |
| $\chi_{35}^{(200)}$ | . | . |
| $\chi_{35}^{(201)}$ | . | . |
| $\chi_{35}^{(202)}$ | . | . |
| $\chi_{35}^{(203)}$ | . | . |
| $\chi_{35}^{(204)}$ | . | . |
| $\chi_{35}^{(205)}$ | . | . |
| $\chi_{35}^{(206)}$ | . | . |
| $\chi_{35}^{(207)}$ | . | . |
| $\chi_{35}^{(208)}$ | . | . |
| $\chi_{35}^{(209)}$ | . | . |
| $\chi_{35}^{(210)}$ | . | . |
| $\chi_{35}^{(211)}$ | . | . |
| $\chi_{35}^{(212)}$ | . | . |
| $\chi_{35}^{(213)}$ | . | . |
| $\chi_{35}^{(214)}$ | . | . |
| $\chi_{35}^{(215)}$ | . | . |

[illegible]

[illegible]

The character table of $G^{s_{36}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| $\chi_{36}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(2)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{36}^{(3)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{36}^{(4)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{36}^{(5)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 |
| $\chi_{36}^{(6)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(7)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{36}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{36}^{(9)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | A | -A | -A | A | -A | A | A | -A | 1 | -1 | -1 | 1 | -A |
| $\chi_{36}^{(10)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -A | A | A | -A | A | -A | -A | A | 1 | -1 | -1 | 1 | A |
| $\chi_{36}^{(11)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | B | -B | -B | B | -/B | /B | /B | -/B | -A | A | A | -A | /B |
| $\chi_{36}^{(12)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -/B | /B | /B | -/B | B | -B | -B | B | A | -A | -A | A | -B |
| $\chi_{36}^{(13)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | /B | -/B | -/B | /B | -B | B | B | -B | A | -A | -A | A | B |
| $\chi_{36}^{(14)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -B | B | B | -B | /B | -/B | -/B | /B | -A | A | A | -A | -/B |
| $\chi_{36}^{(15)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -A | A | A | -A | A | -A | -A | A | -1 | 1 | 1 | -1 | A |
| $\chi_{36}^{(16)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | A | -A | -A | A | -A | A | A | -A | -1 | 1 | 1 | -1 | -A |
| $\chi_{36}^{(17)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -B | B | B | -B | /B | -/B | -/B | /B | A | -A | -A | A | -/B |
| $\chi_{36}^{(18)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | /B | -/B | -/B | /B | -B | B | B | -B | -A | A | A | -A | B |
| $\chi_{36}^{(19)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -/B | /B | /B | -/B | B | -B | -B | B | -A | A | A | -A | -B |
| $\chi_{36}^{(20)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | B | -B | -B | B | -/B | /B | /B | -/B | A | -A | -A | A | /B |
| $\chi_{36}^{(21)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | 1 | 1 | 1 | 1 | -A |
| $\chi_{36}^{(22)}$ | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | 1 | 1 | 1 | 1 | A |
| $\chi_{36}^{(23)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | B | B | B | B | -/B | -/B | -/B | -/B | -A | -A | -A | A | /B |
| $\chi_{36}^{(24)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -/B | -/B | -/B | -/B | B | B | B | B | A | A | A | -A | -B |
| $\chi_{36}^{(25)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | /B | /B | /B | /B | -B | -B | -B | -B | A | A | A | -A | B |
| $\chi_{36}^{(26)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -B | -B | -B | -B | /B | /B | /B | /B | -A | -A | -A | A | -/B |
| $\chi_{36}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | A | A | A | A | -1 | -1 | -1 | -1 | A |
| $\chi_{36}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | -A | -A | -A | -A | -1 | -1 | -1 | -1 | -A |
| $\chi_{36}^{(29)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -B | -B | -B | -B | /B | /B | /B | /B | A | A | A | A | -/B |
| $\chi_{36}^{(30)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | /B | /B | /B | /B | -B | -B | -B | -B | -A | -A | -A | -A | B |
| $\chi_{36}^{(31)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -/B | -/B | -/B | -/B | B | B | B | B | -A | -A | -A | -A | -B |
| $\chi_{36}^{(32)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | B | B | B | B | -/B | -/B | -/B | -/B | A | A | A | A | /B |
| $\chi_{36}^{(33)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | . | . | -1 | 2 | . | . | -1 | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(34)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | -2 | . | . | 1 | -2 | . | . | 1 | 2 | . | . | -2 |
| $\chi_{36}^{(35)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | -2 | . | . | 1 | -2 | . | . | 1 | 2 | . | . | -2 |
| $\chi_{36}^{(36)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | 2 | . | . | -1 | 2 | . | . | -1 | -2 | . | . | 2 |
| $\chi_{36}^{(37)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | C | . | . | A | -C | . | . | -A | -2 | . | . | -C |
| $\chi_{36}^{(38)}$ | 2 | . | . | -1 | 2 | . | -1 | . | 2 | 2 | -C | . | . | -A | C | . | . | A | -2 | . | . | C |
| $\chi_{36}^{(39)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | D | . | . | /B | -/D | . | . | -B | -C | . | . | /D |
| $\chi_{36}^{(40)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | -D | . | . | -/B | /D | . | . | B | -C | . | . | -/D |
| $\chi_{36}^{(41)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | -/D | . | . | -B | D | . | . | /B | C | . | . | -D |
| $\chi_{36}^{(42)}$ | 2 | . | . | -1 | -2 | . | 1 | . | 2 | -2 | /D | . | . | B | -D | . | . | -/B | C | . | . | D |
| $\chi_{36}^{(43)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | -C | . | . | -A | C | . | . | A | 2 | . | . | C |
| $\chi_{36}^{(44)}$ | 2 | . | . | 1 | 2 | . | -1 | . | -2 | 2 | C | . | . | A | -C | . | . | -A | 2 | . | . | -C |
| $\chi_{36}^{(45)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | /D | . | . | B | -D | . | . | -/B | -C | . | . | D |

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|
| $\chi_{36}^{(46)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | -/D | . | . | -B | D | . | . | /B | -C | . | . | -A | -C | . | -A | -D |
| $\chi_{36}^{(47)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | -D | . | . | -/B | /D | . | . | B | C | . | . | A | C | . | A | -/D |
| $\chi_{36}^{(48)}$ | 2 | . | . | 1 | -2 | . | 1 | . | -2 | -2 | D | . | . | /B | -/D | . | . | -B | C | . | . | A | C | . | A | /D |
| $\chi_{36}^{(49)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | 1 | -1 | 1 | . | 1 | -1 | 1 | . | 1 | -1 | 1 | . | -1 | -1 | . | 1 |
| $\chi_{36}^{(50)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | 1 | 1 | -1 | . | 1 | 1 | -1 | . | 1 | 1 | -1 | . | -1 | 1 | . | 1 |
| $\chi_{36}^{(51)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | -1 | 1 | -1 | . | -1 | 1 | -1 | . | 1 | -1 | 1 | . | -1 | -1 | . | -1 |
| $\chi_{36}^{(52)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | -1 | -1 | 1 | . | -1 | -1 | 1 | . | 1 | 1 | -1 | . | -1 | 1 | . | -1 |
| $\chi_{36}^{(53)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | -1 | 1 | -1 | . | -1 | 1 | -1 | . | -1 | 1 | -1 | . | -1 | -1 | . | -1 |
| $\chi_{36}^{(54)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | -1 | -1 | 1 | . | -1 | -1 | 1 | . | -1 | -1 | 1 | . | -1 | 1 | . | -1 |
| $\chi_{36}^{(55)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | 1 | -1 | 1 | . | 1 | -1 | 1 | . | -1 | 1 | -1 | . | -1 | -1 | . | 1 |
| $\chi_{36}^{(56)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | 1 | 1 | -1 | . | 1 | 1 | -1 | . | -1 | -1 | 1 | . | -1 | 1 | . | 1 |
| $\chi_{36}^{(57)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | -A | A | -A | . | A | -A | A | . | -1 | 1 | -1 | . | 1 | 1 | . | A |
| $\chi_{36}^{(58)}$ | 3 | -1 | 1 | . | -1 | -1 | . | 1 | -3 | 3 | A | -A | A | . | -A | A | -A | . | -1 | 1 | -1 | . | 1 | 1 | . | -A |
| $\chi_{36}^{(59)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | -A | -A | A | . | A | A | -A | . | -1 | -1 | 1 | . | 1 | -1 | . | A |
| $\chi_{36}^{(60)}$ | 3 | 1 | -1 | . | -1 | 1 | . | -1 | -3 | 3 | A | A | -A | . | -A | -A | A | . | -1 | -1 | 1 | . | 1 | -1 | . | -A |
| $\chi_{36}^{(61)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | B | B | -B | . | -/B | -/B | /B | . | -A | -A | A | . | -A | A | . | /B |
| $\chi_{36}^{(62)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | -B | -B | B | . | /B | /B | -/B | . | -A | -A | A | . | -A | A | . | -/B |
| $\chi_{36}^{(63)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | -/B | -/B | /B | . | B | B | -B | . | A | A | -A | . | A | -A | . | -B |
| $\chi_{36}^{(64)}$ | 3 | 1 | -1 | . | 1 | -1 | . | 1 | -3 | -3 | /B | /B | -/B | . | -B | -B | B | . | A | A | -A | . | A | -A | . | B |
| $\chi_{36}^{(65)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | B | -B | B | . | -/B | /B | -/B | . | -A | A | -A | . | -A | -A | . | /B |
| $\chi_{36}^{(66)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | -B | B | -B | . | /B | -/B | /B | . | -A | A | -A | . | -A | -A | . | -/B |
| $\chi_{36}^{(67)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | -/B | /B | -/B | . | B | -B | B | . | A | -A | A | . | A | A | . | -B |
| $\chi_{36}^{(68)}$ | 3 | -1 | 1 | . | 1 | 1 | . | -1 | -3 | -3 | /B | -/B | /B | . | -B | B | -B | . | A | -A | A | . | A | A | . | B |
| $\chi_{36}^{(69)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | A | -A | A | . | -A | A | -A | . | 1 | -1 | 1 | . | 1 | 1 | . | -A |
| $\chi_{36}^{(70)}$ | 3 | 1 | -1 | . | -1 | -1 | . | 1 | 3 | 3 | -A | A | -A | . | A | -A | A | . | 1 | -1 | 1 | . | 1 | 1 | . | A |
| $\chi_{36}^{(71)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | A | A | -A | . | -A | -A | A | . | 1 | 1 | -1 | . | 1 | -1 | . | -A |
| $\chi_{36}^{(72)}$ | 3 | -1 | 1 | . | -1 | 1 | . | -1 | 3 | 3 | -A | -A | A | . | A | A | -A | . | 1 | 1 | -1 | . | 1 | -1 | . | A |
| $\chi_{36}^{(73)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | /B | /B | -/B | . | -B | -B | B | . | -A | -A | A | . | A | -A | . | B |
| $\chi_{36}^{(74)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | -/B | -/B | /B | . | B | B | -B | . | -A | -A | A | . | A | -A | . | -B |
| $\chi_{36}^{(75)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | -B | -B | B | . | /B | /B | -/B | . | A | A | -A | . | -A | A | . | -/B |
| $\chi_{36}^{(76)}$ | 3 | -1 | 1 | . | 1 | -1 | . | 1 | 3 | -3 | B | B | -B | . | -/B | -/B | /B | . | A | A | -A | . | -A | A | . | /B |
| $\chi_{36}^{(77)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | /B | -/B | /B | . | -B | B | -B | . | -A | A | -A | . | A | A | . | B |
| $\chi_{36}^{(78)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | -/B | /B | -/B | . | B | -B | B | . | -A | A | -A | . | A | A | . | -B |
| $\chi_{36}^{(79)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | -B | B | -B | . | /B | -/B | /B | . | A | -A | A | . | -A | -A | . | -/B |
| $\chi_{36}^{(80)}$ | 3 | 1 | -1 | . | 1 | 1 | . | -1 | 3 | -3 | B | -B | B | . | -/B | /B | -/B | . | A | -A | A | . | -A | -A | . | /B |
| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | |
| $\chi_{36}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(2)}$ | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{36}^{(3)}$ | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | |
| $\chi_{36}^{(4)}$ | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | |
| $\chi_{36}^{(5)}$ | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{36}^{(6)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(7)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | |
| $\chi_{36}^{(8)}$ | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{36}^{(9)}$ | A | A | -A | 1 | -A | A | -A | A | A | -A | -A | A | A | A | -A | A | 1 | -1 | -1 | 1 | -A | -A | -1 | 1 | 1 | |
| $\chi_{36}^{(10)}$ | -A | -A | A | 1 | A | -A | A | -A | -A | A | A | -A | -A | -A | A | -A | 1 | -1 | -1 | 1 | A | A | -1 | 1 | 1 | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|--|
| $\chi_{36}^{(56)}$ | 1 | -1 | . | -1 | 1 | -1 | . | 1 | 1 | 1 | -1 | . | -3 | 1 | -1 | . | -1 | -1 | 1 | . | 1 | -3 | -1 | 1 | | | | | | | |
| $\chi_{36}^{(57)}$ | -A | A | . | -1 | A | A | . | -A | -A | A | -A | . | E | -A | -A | . | -1 | 1 | -1 | . | A | -E | 1 | 1 | | | | | | | |
| $\chi_{36}^{(58)}$ | A | -A | . | -1 | -A | -A | . | A | A | -A | A | . | -E | A | A | . | -1 | 1 | -1 | . | -A | E | 1 | 1 | | | | | | | |
| $\chi_{36}^{(59)}$ | A | -A | . | 1 | A | -A | . | A | -A | -A | A | . | E | -A | A | . | -1 | -1 | 1 | . | -A | -E | 1 | -1 | | | | | | | |
| $\chi_{36}^{(60)}$ | -A | A | . | 1 | -A | A | . | -A | A | A | -A | . | -E | A | -A | . | -1 | -1 | 1 | . | A | E | 1 | -1 | | | | | | | |
| $\chi_{36}^{(61)}$ | /B | -/B | . | -A | B | -B | . | B | -B | -B | B | . | F | -/B | /B | . | A | A | -A | . | -/B | -/F | A | -A | | | | | | | |
| $\chi_{36}^{(62)}$ | -/B | /B | . | -A | -B | B | . | -B | B | B | -B | . | -F | /B | -/B | . | A | A | -A | . | /B | /F | A | -A | | | | | | | |
| $\chi_{36}^{(63)}$ | -B | B | . | A | -/B | /B | . | -/B | /B | /B | -/B | . | -/F | B | -B | . | -A | -A | A | . | B | F | -A | A | | | | | | | |
| $\chi_{36}^{(64)}$ | B | -B | . | A | /B | -/B | . | /B | -/B | -/B | /B | . | /F | -B | B | . | -A | -A | A | . | -B | -F | -A | A | | | | | | | |
| $\chi_{36}^{(65)}$ | -/B | /B | . | A | B | B | . | -B | -B | B | -B | . | F | -/B | -/B | . | A | -A | A | . | /B | -/F | A | A | | | | | | | |
| $\chi_{36}^{(66)}$ | /B | -/B | . | A | -B | -B | . | B | B | -B | B | . | -F | /B | /B | . | A | -A | A | . | -/B | /F | A | A | | | | | | | |
| $\chi_{36}^{(67)}$ | B | -B | . | -A | -/B | -/B | . | /B | /B | -/B | /B | . | -/F | B | B | . | -A | A | -A | . | -B | F | -A | -A | | | | | | | |
| $\chi_{36}^{(68)}$ | -B | B | . | -A | /B | /B | . | -/B | -/B | /B | -/B | . | /F | -B | -B | . | -A | A | -A | . | B | -F | -A | -A | | | | | | | |
| $\chi_{36}^{(69)}$ | A | -A | . | -1 | A | A | . | -A | A | -A | A | . | -E | -A | -A | . | 1 | -1 | 1 | . | A | E | 1 | 1 | | | | | | | |
| $\chi_{36}^{(70)}$ | -A | A | . | -1 | -A | -A | . | A | -A | A | -A | . | E | A | A | . | 1 | -1 | 1 | . | -A | -E | 1 | 1 | | | | | | | |
| $\chi_{36}^{(71)}$ | -A | A | . | 1 | A | -A | . | A | A | A | -A | . | -E | -A | A | . | 1 | 1 | -1 | . | -A | E | 1 | -1 | | | | | | | |
| $\chi_{36}^{(72)}$ | A | -A | . | 1 | -A | A | . | -A | -A | -A | A | . | E | A | -A | . | 1 | 1 | -1 | . | A | -E | 1 | -1 | | | | | | | |
| $\chi_{36}^{(73)}$ | B | -B | . | A | -/B | /B | . | -/B | -/B | -/B | /B | . | /F | B | -B | . | A | A | -A | . | B | -F | -A | A | | | | | | | |
| $\chi_{36}^{(74)}$ | -B | B | . | A | /B | -/B | . | /B | /B | /B | -/B | . | -/F | -B | B | . | A | A | -A | . | -B | F | -A | A | | | | | | | |
| $\chi_{36}^{(75)}$ | -/B | /B | . | -A | B | -B | . | B | B | B | -B | . | -F | -/B | /B | . | -A | -A | A | . | -/B | /F | A | -A | | | | | | | |
| $\chi_{36}^{(76)}$ | /B | -/B | . | -A | -B | B | . | -B | -B | -B | B | . | F | /B | -/B | . | -A | -A | A | . | /B | -/F | A | -A | | | | | | | |
| $\chi_{36}^{(77)}$ | -B | B | . | -A | -/B | -/B | . | /B | -/B | /B | -/B | . | /F | B | B | . | A | -A | A | . | -B | -F | -A | -A | | | | | | | |
| $\chi_{36}^{(78)}$ | B | -B | . | -A | /B | /B | . | -/B | /B | -/B | /B | . | -/F | -B | -B | . | A | -A | A | . | B | F | -A | -A | | | | | | | |
| $\chi_{36}^{(79)}$ | /B | -/B | . | A | B | B | . | -B | B | -B | B | . | -F | -/B | -/B | . | -A | A | -A | . | /B | /F | A | A | | | | | | | |
| $\chi_{36}^{(80)}$ | -/B | /B | . | A | -B | -B | . | B | -B | B | -B | . | F | /B | /B | . | -A | A | -A | . | -/B | -/F | A | A | | | | | | | |
| | 60 | | | | | | | | | | 70 | | | | | | | | | | | | | | | | | | | | |
| $\chi_{36}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(2)}$ | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{36}^{(3)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | |
| $\chi_{36}^{(4)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(5)}$ | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(6)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{36}^{(7)}$ | 1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{36}^{(8)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{36}^{(9)}$ | -1 | 1 | 1 | A | -A | A | -A | -A | -1 | -A | A | -A | A | -A | A | 1 | A | -1 | A | -A | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(10)}$ | -1 | 1 | 1 | -A | A | -A | A | A | -1 | A | -A | A | -A | A | -A | 1 | -A | -1 | -A | A | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(11)}$ | -A | A | -A | -/B | /B | -/B | /B | /B | A | B | -B | B | -B | -B | -B | A | /B | -A | -/B | B | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(12)}$ | A | -A | A | B | -B | B | -B | -B | -A | -/B | /B | -/B | /B | /B | /B | -A | -B | A | B | -/B | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(13)}$ | A | -A | A | -B | B | -B | B | B | -A | /B | -/B | /B | -/B | -/B | -/B | -A | B | A | -B | /B | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(14)}$ | -A | A | -A | /B | -/B | /B | -/B | -/B | A | -B | B | -B | B | B | B | A | -/B | -A | /B | -B | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(15)}$ | -1 | 1 | -1 | A | -A | A | -A | A | -1 | -A | A | -A | A | -A | -A | -1 | A | -1 | A | -A | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(16)}$ | -1 | 1 | -1 | -A | A | -A | A | -A | -1 | A | -A | A | -A | A | A | -1 | -A | -1 | -A | A | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(17)}$ | -A | A | A | -/B | /B | -/B | /B | -/B | A | B | -B | B | -B | -B | B | -A | /B | -A | -/B | B | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(18)}$ | A | -A | -A | B | -B | B | -B | B | -A | -/B | /B | -/B | /B | /B | /B | -/B | A | -B | A | B | -/B | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | |
| $\chi_{36}^{(19)}$ | A | -A | -A | -B | B | -B | B | -B | -A | /B | -/B | /B | -/B | -/B | /B | A | B | A | -B | /B | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{36}^{(20)}$ | -A | A | A | /B | -/B | /B | -/B | /B | A | -B | B | -B | B | B | -B | -A | -/B | -A | /B | -B | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | |

| | 60 | | | | | | | | | | | | | | | 70 | | | | | | | | | |
|--------------------|----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|----|----|----|----|----|
| $\chi_{36}^{(21)}$ | -1 | -1 | 1 | A | A | A | A | -A | -1 | -A | -A | -A | -A | -A | A | 1 | A | -1 | A | -A | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(22)}$ | -1 | -1 | 1 | -A | -A | -A | -A | A | -1 | A | A | A | A | A | -A | 1 | -A | -1 | -A | A | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(23)}$ | -A | -A | -A | -/B | -/B | -/B | -/B | /B | A | B | B | B | B | -B | -B | A | /B | -A | -/B | B | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(24)}$ | A | A | A | B | B | B | B | -B | -A | -/B | -/B | -/B | -/B | /B | /B | -A | -B | A | B | -/B | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(25)}$ | A | A | A | -B | -B | -B | -B | B | -A | /B | /B | /B | /B | -/B | -/B | -A | B | A | -B | /B | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(26)}$ | -A | -A | -A | /B | /B | /B | /B | -/B | A | -B | -B | -B | -B | B | B | A | -/B | -A | /B | -B | -1 | -1 | -1 | -1 | 1 |
| $\chi_{36}^{(27)}$ | -1 | -1 | -1 | A | A | A | A | A | -1 | -A | -A | -A | -A | -A | -A | -1 | A | -1 | A | -A | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(28)}$ | -1 | -1 | -1 | -A | -A | -A | -A | -A | -1 | A | A | A | A | A | A | -1 | -A | -1 | -A | A | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(29)}$ | -A | -A | A | -/B | -/B | -/B | -/B | -/B | A | B | B | B | B | -B | B | -A | /B | -A | -/B | B | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(30)}$ | A | A | -A | B | B | B | B | B | -A | -/B | -/B | -/B | -/B | /B | -/B | A | -B | A | B | -/B | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(31)}$ | A | A | -A | -B | -B | -B | -B | -B | -A | /B | /B | /B | /B | -/B | /B | A | B | A | -B | /B | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(32)}$ | -A | -A | A | /B | /B | /B | /B | /B | A | -B | -B | -B | -B | B | -B | -A | -/B | -A | /B | -B | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(33)}$ | -1 | . | 2 | 2 | . | -1 | . | 2 | 2 | 2 | . | -1 | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(34)}$ | -1 | . | 2 | -2 | . | 1 | . | -2 | 2 | -2 | . | 1 | . | -2 | -2 | 2 | -2 | 2 | -2 | -2 | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(35)}$ | -1 | . | -2 | 2 | . | -1 | . | -2 | 2 | 2 | . | -1 | . | 2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(36)}$ | -1 | . | -2 | -2 | . | 1 | . | 2 | 2 | -2 | . | 1 | . | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(37)}$ | 1 | . | -2 | -C | . | -A | . | -C | -2 | C | . | A | . | C | C | -2 | -C | -2 | -C | C | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(38)}$ | 1 | . | -2 | C | . | A | . | C | -2 | -C | . | -A | . | -C | -C | -2 | C | -2 | C | -C | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(39)}$ | -A | . | -C | -/D | . | -B | . | /D | C | D | . | /B | . | -D | -D | C | /D | -C | -/D | D | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(40)}$ | -A | . | -C | /D | . | B | . | -/D | C | -D | . | -/B | . | D | D | C | -/D | -C | /D | -D | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(41)}$ | A | . | C | D | . | /B | . | -D | -C | -/D | . | -B | . | /D | /D | -C | -D | C | D | -/D | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(42)}$ | A | . | C | -D | . | -/B | . | D | -C | /D | . | B | . | -/D | -/D | -C | D | C | -D | /D | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(43)}$ | 1 | . | 2 | -C | . | -A | . | C | -2 | C | . | A | . | C | -C | 2 | -C | -2 | -C | C | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(44)}$ | 1 | . | 2 | C | . | A | . | -C | -2 | -C | . | -A | . | -C | C | 2 | C | -2 | C | -C | -2 | . | . | 1 | 2 |
| $\chi_{36}^{(45)}$ | A | . | -C | D | . | /B | . | D | -C | -/D | . | -B | . | /D | -/D | C | -D | C | D | -/D | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(46)}$ | A | . | -C | -D | . | -/B | . | -D | -C | /D | . | B | . | -/D | /D | C | D | C | -D | /D | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(47)}$ | -A | . | C | -/D | . | -B | . | -/D | C | D | . | /B | . | -D | D | -C | /D | -C | -/D | D | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(48)}$ | -A | . | C | /D | . | B | . | /D | C | -D | . | -/B | . | D | -D | -C | -/D | -C | /D | -D | 2 | . | . | -1 | 2 |
| $\chi_{36}^{(49)}$ | . | 1 | -3 | -1 | -1 | . | 1 | -3 | 3 | -1 | -1 | . | 1 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(50)}$ | . | -1 | -3 | -1 | 1 | . | -1 | -3 | 3 | -1 | 1 | . | -1 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | 1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(51)}$ | . | 1 | -3 | 1 | 1 | . | -1 | 3 | 3 | 1 | 1 | . | -1 | -3 | 3 | -3 | -3 | 3 | -3 | -3 | 1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(52)}$ | . | -1 | -3 | 1 | -1 | . | 1 | 3 | 3 | 1 | -1 | . | 1 | -3 | 3 | -3 | -3 | 3 | -3 | -3 | 1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(53)}$ | . | 1 | 3 | -1 | -1 | . | 1 | 3 | 3 | -1 | -1 | . | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(54)}$ | . | -1 | 3 | -1 | 1 | . | -1 | 3 | 3 | -1 | 1 | . | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(55)}$ | . | 1 | 3 | 1 | 1 | . | -1 | -3 | 3 | 1 | 1 | . | -1 | -3 | -3 | 3 | -3 | 3 | -3 | -3 | -1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(56)}$ | . | -1 | 3 | 1 | -1 | . | 1 | -3 | 3 | 1 | -1 | . | 1 | -3 | -3 | 3 | -3 | 3 | -3 | -3 | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(57)}$ | . | -1 | 3 | -A | -A | . | A | -E | -3 | A | A | . | -A | -E | E | 3 | E | -3 | E | -E | 1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(58)}$ | . | -1 | 3 | A | A | . | -A | E | -3 | -A | -A | . | A | E | -E | 3 | -E | -3 | -E | E | 1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(59)}$ | . | 1 | 3 | -A | A | . | -A | -E | -3 | A | -A | . | A | -E | E | 3 | E | -3 | E | -E | 1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(60)}$ | . | 1 | 3 | A | -A | . | A | E | -3 | -A | A | . | -A | E | -E | 3 | -E | -3 | -E | E | 1 | 1 | -1 | . | -1 |
| $\chi_{36}^{(61)}$ | . | A | E | /B | -/B | . | /B | /F | E | -B | B | . | -B | F | -F | -E | -/F | -E | /F | -F | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(62)}$ | . | A | E | -/B | /B | . | -/B | -/F | E | B | -B | . | B | -F | F | -E | /F | -E | -/F | F | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(63)}$ | . | -A | -E | -B | B | . | -B | -F | -E | /B | -/B | . | /B | -/F | /F | E | F | E | -F | /F | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(64)}$ | . | -A | -E | B | -B | . | B | F | -E | -/B | /B | . | -/B | /F | -/F | E | -F | E | F | -/F | -1 | -1 | 1 | . | -1 |
| $\chi_{36}^{(65)}$ | . | -A | E | /B | /B | . | -/B | /F | E | -B | -B | . | B | F | -F | -E | -/F | -E | /F | -F | -1 | 1 | -1 | . | -1 |

| | 80 | | | | |
|--------------------|----|----|----|----|----|
| $\chi_{36}^{(21)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{36}^{(22)}$ | 1 | 1 | 1 | -1 | -1 |
| $\chi_{36}^{(23)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{36}^{(24)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{36}^{(25)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{36}^{(26)}$ | 1 | 1 | 1 | -1 | 1 |
| $\chi_{36}^{(27)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(28)}$ | 1 | 1 | 1 | 1 | 1 |
| $\chi_{36}^{(29)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{36}^{(30)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{36}^{(31)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{36}^{(32)}$ | 1 | 1 | 1 | 1 | -1 |
| $\chi_{36}^{(33)}$ | . | -1 | . | 2 | 2 |
| $\chi_{36}^{(34)}$ | . | -1 | . | 2 | 2 |
| $\chi_{36}^{(35)}$ | . | -1 | . | -2 | -2 |
| $\chi_{36}^{(36)}$ | . | -1 | . | -2 | -2 |
| $\chi_{36}^{(37)}$ | . | -1 | . | 2 | 2 |
| $\chi_{36}^{(38)}$ | . | -1 | . | 2 | 2 |
| $\chi_{36}^{(39)}$ | . | -1 | . | -2 | 2 |
| $\chi_{36}^{(40)}$ | . | -1 | . | -2 | 2 |
| $\chi_{36}^{(41)}$ | . | -1 | . | -2 | 2 |
| $\chi_{36}^{(42)}$ | . | -1 | . | -2 | 2 |
| $\chi_{36}^{(43)}$ | . | -1 | . | -2 | -2 |
| $\chi_{36}^{(44)}$ | . | -1 | . | -2 | -2 |
| $\chi_{36}^{(45)}$ | . | -1 | . | 2 | -2 |
| $\chi_{36}^{(46)}$ | . | -1 | . | 2 | -2 |
| $\chi_{36}^{(47)}$ | . | -1 | . | 2 | -2 |
| $\chi_{36}^{(48)}$ | . | -1 | . | 2 | -2 |
| $\chi_{36}^{(49)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{36}^{(50)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{36}^{(51)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{36}^{(52)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{36}^{(53)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{36}^{(54)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{36}^{(55)}$ | -1 | . | 1 | 3 | -1 |
| $\chi_{36}^{(56)}$ | 1 | . | -1 | 3 | -1 |
| $\chi_{36}^{(57)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{36}^{(58)}$ | -1 | . | 1 | -3 | 1 |
| $\chi_{36}^{(59)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{36}^{(60)}$ | 1 | . | -1 | -3 | 1 |
| $\chi_{36}^{(61)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{36}^{(62)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{36}^{(63)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{36}^{(64)}$ | 1 | . | -1 | 3 | 1 |
| $\chi_{36}^{(65)}$ | -1 | . | 1 | 3 | 1 |

| | 80 |
|--------------------|--------------|
| $\chi_{36}^{(66)}$ | -1 . 1 3 1 |
| $\chi_{36}^{(67)}$ | -1 . 1 3 1 |
| $\chi_{36}^{(68)}$ | -1 . 1 3 1 |
| $\chi_{36}^{(69)}$ | -1 . 1 3 -1 |
| $\chi_{36}^{(70)}$ | -1 . 1 3 -1 |
| $\chi_{36}^{(71)}$ | 1 . -1 3 -1 |
| $\chi_{36}^{(72)}$ | 1 . -1 3 -1 |
| $\chi_{36}^{(73)}$ | 1 . -1 -3 -1 |
| $\chi_{36}^{(74)}$ | 1 . -1 -3 -1 |
| $\chi_{36}^{(75)}$ | 1 . -1 -3 -1 |
| $\chi_{36}^{(76)}$ | 1 . -1 -3 -1 |
| $\chi_{36}^{(77)}$ | -1 . 1 -3 -1 |
| $\chi_{36}^{(78)}$ | -1 . 1 -3 -1 |
| $\chi_{36}^{(79)}$ | -1 . 1 -3 -1 |
| $\chi_{36}^{(80)}$ | -1 . 1 -3 -1 |

where $A = -E(4) = -ER(-1) = -i$, $B = E(8)^3$, $C = 2^*E(4) = 2^*ER(-1) = 2i$, $D = 2^*E(8)$, $E = -3^*E(4) = -3^*ER(-1) = -3i$, $F = -3^*E(8)^3$.

The generators of $G^{s_{37}}$ are:

$$\begin{pmatrix} 1 & 1 & 1 & -2 & 1 & 0 & 0 & -1 \\ 3 & 1 & 0 & -2 & 1 & 0 & 0 & -1 \\ 3 & 1 & 1 & -3 & 1 & 1 & 0 & -2 \\ 5 & 2 & 1 & -4 & 1 & 1 & 0 & -2 \\ 4 & 1 & 1 & -3 & 1 & 0 & 1 & -2 \\ 3 & 1 & 1 & -3 & 1 & 0 & 1 & -1 \\ 2 & 0 & 1 & -2 & 1 & 0 & 0 & 0 \\ 1 & 0 & 1 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 2 & -1 & 0 & 0 & 0 & 1 \\ -1 & 0 & 3 & -2 & 0 & 0 & 0 & 2 \\ -1 & -1 & 4 & -2 & 0 & 0 & 0 & 2 \\ -1 & -1 & 5 & -3 & 0 & 0 & 0 & 4 \\ -1 & -1 & 4 & -3 & 1 & 0 & 0 & 3 \\ 0 & 0 & 3 & -3 & 1 & 0 & 0 & 2 \\ 0 & 0 & 2 & -2 & 1 & -1 & 1 & 1 \\ 0 & 0 & 1 & -1 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 2 & -1 & 0 & -1 & 1 & -1 & 0 \\ 0 & 3 & -1 & 0 & -1 & 1 & -1 & 0 \\ 0 & 4 & -1 & 0 & -2 & 2 & -2 & 0 \\ 0 & 5 & -2 & 1 & -3 & 3 & -3 & 0 \\ 0 & 4 & -2 & 1 & -2 & 2 & -3 & 1 \\ 0 & 3 & -2 & 1 & -2 & 2 & -2 & 1 \\ 0 & 2 & -1 & 1 & -2 & 1 & -1 & 1 \\ 0 & 1 & 0 & 0 & -1 & 1 & -1 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -1 & 0 & 2 \\ -1 & 1 & 0 & 0 & 0 & -2 & 1 & 2 \\ -1 & 1 & 1 & -1 & 0 & -2 & 1 & 3 \\ -1 & 2 & 0 & -1 & 0 & -3 & 2 & 4 \\ -1 & 1 & 0 & 0 & -1 & -2 & 2 & 3 \\ -1 & 0 & 0 & 0 & 0 & -2 & 2 & 2 \\ -1 & 0 & 0 & 0 & 0 & -1 & 1 & 2 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 0 & 0 & 2 & -2 & 1 & -1 \\ 0 & -1 & 0 & 0 & 2 & -3 & 3 & -2 \\ 0 & -1 & 0 & 0 & 3 & -4 & 3 & -3 \\ 0 & -1 & 0 & -1 & 5 & -6 & 5 & -4 \\ 0 & 0 & 0 & -1 & 4 & -5 & 4 & -3 \\ 0 & 0 & -1 & 0 & 3 & -4 & 3 & -2 \\ 1 & 0 & -1 & 0 & 2 & -3 & 2 & -1 \\ 0 & 0 & 0 & 0 & 1 & -2 & 1 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{37}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 0 & 1 & 0 & 0 & 1 & 0 \\ -1 & -2 & 0 & 1 & 0 & -1 & 3 & -1 \\ -2 & -3 & 0 & 2 & -1 & 0 & 3 & -1 \\ -3 & -4 & 0 & 2 & 0 & -1 & 5 & -2 \\ -3 & -3 & 1 & 1 & 0 & -1 & 4 & -1 \\ -2 & -2 & 0 & 1 & 0 & -1 & 3 & 0 \\ -1 & -2 & 0 & 1 & 0 & -1 & 2 & 0 \\ -1 & -1 & 0 & 1 & 0 & -1 & 1 & 0 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 1 & 0 & 1 & -1 & 1 & 0 \\ 0 & -3 & 0 & 0 & 2 & -1 & 1 & 0 \\ -1 & -4 & 1 & 0 & 2 & -1 & 1 & 0 \\ -1 & -5 & 1 & -1 & 4 & -2 & 2 & 0 \\ -1 & -4 & 1 & -1 & 3 & -1 & 1 & 1 \\ -1 & -3 & 0 & 0 & 2 & -1 & 1 & 1 \\ 0 & -2 & 0 & 0 & 1 & -1 & 1 & 1 \\ 0 & -1 & 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 0 & 0 & 2 & -2 & 0 & 1 & 0 & 0 \\ 1 & 0 & 2 & -2 & -1 & 1 & 1 & 0 \\ 1 & 0 & 3 & -3 & -1 & 2 & 1 & -1 \\ 2 & 0 & 4 & -4 & -2 & 3 & 1 & 0 \\ 2 & -1 & 3 & -3 & -1 & 2 & 1 & 0 \\ 2 & 0 & 2 & -3 & 0 & 1 & 1 & 0 \\ 1 & 0 & 2 & -2 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 1 & -1 & -1 & 1 & -1 & 1 \\ -1 & 2 & 2 & -2 & -1 & 1 & -1 & 2 \\ -1 & 3 & 2 & -2 & -2 & 2 & -2 & 2 \\ -1 & 4 & 3 & -3 & -3 & 3 & -3 & 4 \\ -1 & 3 & 2 & -2 & -2 & 2 & -3 & 4 \\ 0 & 3 & 1 & -2 & -1 & 1 & -2 & 3 \\ 0 & 2 & 1 & -1 & -1 & 0 & -1 & 2 \\ 0 & 1 & 1 & -1 & 0 & 0 & -1 & 1 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 0 & 1 & 0 & 0 & 1 & 0 \\ -1 & -3 & 0 & 2 & -1 & 0 & 2 & -1 \\ -1 & -4 & 0 & 2 & 0 & -1 & 3 & -1 \\ -2 & -6 & 0 & 3 & 0 & -1 & 4 & -2 \\ -1 & -5 & 0 & 2 & 0 & 0 & 3 & -2 \\ -1 & -4 & 0 & 2 & 0 & 0 & 2 & -2 \\ -1 & -2 & 0 & 1 & 0 & 0 & 2 & -2 \\ 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}, \\
\begin{pmatrix} 1 & 0 & 1 & -1 & 1 & -1 & 0 & 0 \\ 1 & 1 & 1 & -2 & 2 & -1 & -1 & 1 \\ 1 & 0 & 2 & -2 & 2 & -1 & -1 & 1 \\ 2 & 1 & 2 & -3 & 3 & -2 & -1 & 2 \\ 1 & 1 & 2 & -3 & 3 & -2 & 0 & 1 \\ 1 & 1 & 2 & -3 & 2 & -1 & 0 & 1 \\ 1 & 0 & 1 & -2 & 2 & -1 & 0 & 1 \\ 0 & 0 & 1 & -1 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 1 & -2 & 1 & 0 & 0 & -1 \\ 3 & 1 & 0 & -2 & 1 & 0 & 0 & -1 \\ 3 & 1 & 1 & -3 & 1 & 1 & 0 & -2 \\ 5 & 2 & 1 & -4 & 1 & 1 & 0 & -2 \\ 4 & 1 & 1 & -3 & 1 & 0 & 1 & -2 \\ 3 & 1 & 1 & -3 & 1 & 0 & 1 & -1 \\ 2 & 0 & 1 & -2 & 1 & 0 & 0 & 0 \\ 1 & 0 & 1 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}.$$

The character table of $G^{s_{37}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | |
|--------------------|----|----|----|-----|-----|----|----|----|----|-----|-----|----|-----|----|----|----|----|----|-----|----|----|----|-----|----|
| $\chi_{37}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{37}^{(2)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 |
| $\chi_{37}^{(3)}$ | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 |
| $\chi_{37}^{(4)}$ | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{37}^{(5)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{37}^{(6)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{37}^{(7)}$ | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 |
| $\chi_{37}^{(8)}$ | 1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 |
| $\chi_{37}^{(9)}$ | 1 | -1 | A | -A | A | -A | 1 | -1 | 1 | -A | A | -A | -A | A | -1 | 1 | -1 | -1 | A | 1 | -1 | 1 | -A | -1 |
| $\chi_{37}^{(10)}$ | 1 | -1 | -A | A | -A | A | 1 | -1 | 1 | A | -A | A | A | -A | -1 | 1 | -1 | -1 | -A | 1 | -1 | 1 | A | -1 |
| $\chi_{37}^{(11)}$ | 1 | 1 | A | -A | A | -A | -1 | -1 | 1 | -A | -A | A | A | -A | 1 | -1 | 1 | -1 | A | 1 | -1 | 1 | A | -1 |
| $\chi_{37}^{(12)}$ | 1 | 1 | -A | A | -A | A | -1 | -1 | 1 | A | A | -A | -A | A | 1 | -1 | 1 | -1 | -A | 1 | -1 | 1 | -A | -1 |
| $\chi_{37}^{(13)}$ | 1 | -1 | -A | -A | A | A | -1 | -1 | -1 | -A | -A | -A | A | A | 1 | 1 | 1 | -1 | A | 1 | 1 | 1 | A | -1 |
| $\chi_{37}^{(14)}$ | 1 | -1 | A | A | -A | -A | -1 | -1 | -1 | A | A | A | -A | -A | 1 | 1 | 1 | -1 | -A | 1 | 1 | 1 | -A | -1 |
| $\chi_{37}^{(15)}$ | 1 | 1 | -A | -A | A | A | 1 | -1 | -1 | -A | A | A | -A | -A | -1 | -1 | -1 | -1 | A | 1 | 1 | 1 | -A | -1 |
| $\chi_{37}^{(16)}$ | 1 | 1 | A | A | -A | -A | 1 | -1 | -1 | A | -A | -A | A | A | -1 | -1 | -1 | -1 | -A | 1 | 1 | 1 | A | -1 |
| $\chi_{37}^{(17)}$ | 2 | . | . | . | . | . | 2 | -2 | . | . | . | . | . | . | 2 | . | -2 | 2 | . | 2 | . | -2 | . | -2 |
| $\chi_{37}^{(18)}$ | 2 | . | . | . | . | . | -2 | -2 | . | . | . | . | . | . | -2 | . | 2 | 2 | . | 2 | . | -2 | . | -2 |
| $\chi_{37}^{(19)}$ | 2 | . | . | . | . | . | -2 | 2 | . | . | . | . | . | . | 2 | . | -2 | -2 | . | 2 | . | -2 | . | 2 |
| $\chi_{37}^{(20)}$ | 2 | . | . | . | . | . | 2 | 2 | . | . | . | . | . | . | -2 | . | 2 | -2 | . | 2 | . | -2 | . | 2 |
| $\chi_{37}^{(21)}$ | 2 | . | . | -2 | 2 | . | . | 2 | . | 2 | . | . | . | . | . | . | . | -2 | -2 | -2 | . | 2 | . | -2 |
| $\chi_{37}^{(22)}$ | 2 | . | . | 2 | -2 | . | . | 2 | . | -2 | . | . | . | . | . | . | . | -2 | 2 | -2 | . | 2 | . | -2 |
| $\chi_{37}^{(23)}$ | 2 | . | . | . | . | . | . | -2 | . | . | 2 | . | 2 | . | . | . | . | -2 | . | -2 | . | -2 | 2 | -2 |
| $\chi_{37}^{(24)}$ | 2 | . | . | . | . | . | . | -2 | . | . | -2 | . | -2 | . | . | . | . | -2 | . | -2 | . | -2 | -2 | 2 |
| $\chi_{37}^{(25)}$ | 2 | . | . | B | -/B | . | . | C | . | B | B | . | -/B | . | -2 | . | . | . | /B | -2 | . | . | /B | C |
| $\chi_{37}^{(26)}$ | 2 | . | . | /B | -B | . | . | -C | . | /B | /B | . | -B | . | -2 | . | . | . | B | -2 | . | . | B | -C |
| $\chi_{37}^{(27)}$ | 2 | . | . | -B | /B | . | . | C | . | -B | -B | . | /B | . | -2 | . | . | . | -/B | -2 | . | . | -/B | C |
| $\chi_{37}^{(28)}$ | 2 | . | . | -/B | B | . | . | -C | . | -/B | -/B | . | B | . | -2 | . | . | . | -B | -2 | . | . | -B | -C |
| $\chi_{37}^{(29)}$ | 2 | . | . | B | -/B | . | . | C | . | B | -B | . | /B | . | 2 | . | . | . | /B | -2 | . | . | -/B | C |
| $\chi_{37}^{(30)}$ | 2 | . | . | /B | -B | . | . | -C | . | /B | -/B | . | B | . | 2 | . | . | . | B | -2 | . | . | -B | -C |
| $\chi_{37}^{(31)}$ | 2 | . | . | -B | /B | . | . | C | . | -B | B | . | -/B | . | 2 | . | . | . | -/B | -2 | . | . | /B | C |
| $\chi_{37}^{(32)}$ | 2 | . | . | -/B | B | . | . | -C | . | -/B | /B | . | -B | . | 2 | . | . | . | -B | -2 | . | . | B | -C |
| $\chi_{37}^{(33)}$ | 2 | . | . | C | C | . | . | -2 | . | -C | . | . | . | . | . | . | . | 2 | -C | -2 | . | 2 | . | 2 |
| $\chi_{37}^{(34)}$ | 2 | . | . | -C | -C | . | . | -2 | . | C | . | . | . | . | . | . | . | 2 | C | -2 | . | 2 | . | 2 |
| $\chi_{37}^{(35)}$ | 2 | . | . | -B | -/B | . | -2 | C | . | B | /B | . | -B | . | . | . | -C | . | -/B | 2 | . | . | B | -C |
| $\chi_{37}^{(36)}$ | 2 | . | . | -/B | -B | . | -2 | -C | . | /B | B | . | -/B | . | . | . | C | . | -B | 2 | . | . | /B | C |
| $\chi_{37}^{(37)}$ | 2 | . | . | -B | -/B | . | 2 | C | . | B | -/B | . | B | . | . | . | C | . | -/B | 2 | . | . | -B | -C |
| $\chi_{37}^{(38)}$ | 2 | . | . | -/B | -B | . | 2 | -C | . | /B | -B | . | /B | . | . | . | -C | . | -B | 2 | . | . | -/B | C |
| $\chi_{37}^{(39)}$ | 2 | . | . | B | /B | . | -2 | C | . | -B | -/B | . | B | . | . | . | -C | . | /B | 2 | . | . | -B | -C |
| $\chi_{37}^{(40)}$ | 2 | . | . | /B | B | . | -2 | -C | . | -/B | -B | . | /B | . | . | . | C | . | B | 2 | . | . | -/B | C |
| $\chi_{37}^{(41)}$ | 2 | . | . | B | /B | . | 2 | C | . | -B | /B | . | -B | . | . | . | C | . | /B | 2 | . | . | B | -C |
| $\chi_{37}^{(42)}$ | 2 | . | . | /B | B | . | 2 | -C | . | -/B | B | . | -/B | . | . | . | -C | . | B | 2 | . | . | /B | C |
| $\chi_{37}^{(43)}$ | 2 | . | . | . | . | . | . | 2 | . | . | -C | . | C | . | . | . | . | 2 | . | -2 | . | -2 | C | -2 |
| $\chi_{37}^{(44)}$ | 2 | . | . | . | . | . | . | 2 | . | . | C | . | -C | . | . | . | . | 2 | . | -2 | . | -2 | -C | -2 |

| | 30 | | | | | | | | 40 | | | | | | | |
|--------------------|----|----|----|-----|----|----|----|----|-----|-----|-----|-----|----|----|----|-----|
| $\chi_{37}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{37}^{(2)}$ | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{37}^{(3)}$ | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{37}^{(4)}$ | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{37}^{(5)}$ | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{37}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{37}^{(7)}$ | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 |
| $\chi_{37}^{(8)}$ | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 |
| $\chi_{37}^{(9)}$ | -1 | -1 | -1 | -A | 1 | 1 | 1 | 1 | A | -A | -A | A | 1 | -1 | 1 | A |
| $\chi_{37}^{(10)}$ | -1 | -1 | -1 | A | 1 | 1 | 1 | 1 | -A | A | A | -A | 1 | -1 | 1 | -A |
| $\chi_{37}^{(11)}$ | 1 | 1 | -1 | -A | -1 | 1 | 1 | 1 | A | -A | A | -A | -1 | -1 | -1 | -A |
| $\chi_{37}^{(12)}$ | 1 | 1 | -1 | A | -1 | 1 | 1 | 1 | -A | A | -A | A | -1 | -1 | -1 | A |
| $\chi_{37}^{(13)}$ | 1 | 1 | -1 | -A | -1 | 1 | 1 | 1 | A | -A | A | -A | -1 | -1 | -1 | -A |
| $\chi_{37}^{(14)}$ | 1 | 1 | -1 | A | -1 | 1 | 1 | 1 | -A | A | -A | A | -1 | -1 | -1 | A |
| $\chi_{37}^{(15)}$ | -1 | -1 | -1 | -A | 1 | 1 | 1 | 1 | A | -A | -A | A | 1 | -1 | 1 | A |
| $\chi_{37}^{(16)}$ | -1 | -1 | -1 | A | 1 | 1 | 1 | 1 | -A | A | A | -A | 1 | -1 | 1 | -A |
| $\chi_{37}^{(17)}$ | -2 | 2 | 2 | . | 2 | 2 | -2 | 2 | . | . | . | . | -2 | -2 | -2 | . |
| $\chi_{37}^{(18)}$ | 2 | -2 | 2 | . | -2 | 2 | -2 | 2 | . | . | . | . | 2 | -2 | 2 | . |
| $\chi_{37}^{(19)}$ | -2 | 2 | -2 | . | -2 | 2 | -2 | 2 | . | . | . | . | 2 | 2 | 2 | . |
| $\chi_{37}^{(20)}$ | 2 | -2 | -2 | . | 2 | 2 | -2 | 2 | . | . | . | . | -2 | 2 | -2 | . |
| $\chi_{37}^{(21)}$ | . | . | 2 | 2 | . | 2 | -2 | -2 | 2 | -2 | . | . | . | 2 | . | . |
| $\chi_{37}^{(22)}$ | . | . | 2 | -2 | . | 2 | -2 | -2 | -2 | 2 | . | . | . | 2 | . | . |
| $\chi_{37}^{(23)}$ | . | . | 2 | . | . | 2 | 2 | -2 | . | . | -2 | 2 | . | -2 | . | -2 |
| $\chi_{37}^{(24)}$ | . | . | 2 | . | . | 2 | 2 | -2 | . | . | 2 | -2 | . | -2 | . | 2 |
| $\chi_{37}^{(25)}$ | . | 2 | . | -B | . | -2 | . | 2 | /B | -B | /B | -B | -C | -C | C | -B |
| $\chi_{37}^{(26)}$ | . | 2 | . | -/B | . | -2 | . | 2 | B | -/B | B | -/B | C | C | -C | -/B |
| $\chi_{37}^{(27)}$ | . | 2 | . | B | . | -2 | . | 2 | -/B | B | -/B | B | -C | -C | C | B |
| $\chi_{37}^{(28)}$ | . | 2 | . | /B | . | -2 | . | 2 | -B | /B | -B | /B | C | C | -C | /B |
| $\chi_{37}^{(29)}$ | . | -2 | . | -B | . | -2 | . | 2 | /B | -B | -/B | B | C | -C | -C | B |
| $\chi_{37}^{(30)}$ | . | -2 | . | -/B | . | -2 | . | 2 | B | -/B | -B | /B | -C | C | C | /B |
| $\chi_{37}^{(31)}$ | . | -2 | . | B | . | -2 | . | 2 | -/B | B | /B | -B | C | -C | -C | -B |
| $\chi_{37}^{(32)}$ | . | -2 | . | /B | . | -2 | . | 2 | -B | /B | B | -/B | -C | C | C | -/B |
| $\chi_{37}^{(33)}$ | . | . | -2 | -C | . | 2 | -2 | -2 | C | C | . | . | . | -2 | . | . |
| $\chi_{37}^{(34)}$ | . | . | -2 | C | . | 2 | -2 | -2 | -C | -C | . | . | . | -2 | . | . |
| $\chi_{37}^{(35)}$ | C | . | . | -B | 2 | -2 | . | -2 | /B | B | -B | -/B | . | -C | . | /B |
| $\chi_{37}^{(36)}$ | -C | . | . | -/B | 2 | -2 | . | -2 | B | /B | -/B | -B | . | C | . | B |
| $\chi_{37}^{(37)}$ | -C | . | . | -B | -2 | -2 | . | -2 | /B | B | B | /B | . | -C | . | -/B |
| $\chi_{37}^{(38)}$ | C | . | . | -/B | -2 | -2 | . | -2 | B | /B | /B | B | . | C | . | -B |
| $\chi_{37}^{(39)}$ | C | . | . | B | 2 | -2 | . | -2 | -/B | -B | B | /B | . | -C | . | -/B |
| $\chi_{37}^{(40)}$ | -C | . | . | /B | 2 | -2 | . | -2 | -B | -/B | /B | B | . | C | . | -B |
| $\chi_{37}^{(41)}$ | -C | . | . | B | -2 | -2 | . | -2 | -/B | -B | -B | -/B | . | -C | . | /B |
| $\chi_{37}^{(42)}$ | C | . | . | /B | -2 | -2 | . | -2 | -B | -/B | -/B | -B | . | C | . | B |
| $\chi_{37}^{(43)}$ | . | . | -2 | . | . | 2 | 2 | -2 | . | . | -C | -C | . | 2 | . | C |
| $\chi_{37}^{(44)}$ | . | . | -2 | . | . | 2 | 2 | -2 | . | . | C | C | . | 2 | . | -C |

where $A = E(4) = ER(-1) = i$, $B = 1-E(4) = 1-ER(-1) = 1-i$, $C = 2^*E(4) = 2^*ER(-1) = 2i$.

The generators of $G^{s_{38}}$ are:

$$\begin{pmatrix} 0 & 0 & 0 & -1 & 2 & -1 & 1 & -2 \\ -1 & 1 & 1 & -2 & 3 & -2 & 1 & -2 \\ -1 & 1 & 1 & -3 & 4 & -2 & 2 & -3 \\ -1 & 2 & 2 & -5 & 6 & -3 & 2 & -4 \\ -1 & 1 & 2 & -4 & 5 & -2 & 1 & -3 \\ -1 & 0 & 2 & -3 & 4 & -2 & 1 & -2 \\ -1 & 0 & 2 & -2 & 2 & -1 & 1 & -2 \\ -1 & 0 & 1 & -1 & 1 & 0 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & 0 & -1 & 1 & 0 & 1 \\ -1 & 0 & 2 & -1 & -1 & 1 & 0 & 2 \\ -1 & -1 & 3 & -1 & -1 & 1 & 0 & 2 \\ -1 & -1 & 4 & -2 & -1 & 1 & 0 & 4 \\ -1 & -1 & 3 & -2 & 0 & 1 & 0 & 3 \\ 0 & 0 & 2 & -2 & 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & -1 & 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 2 & -1 & 0 & 0 & 0 & 1 \\ -1 & 0 & 3 & -2 & 0 & 0 & 0 & 2 \\ -1 & -1 & 4 & -2 & 0 & 0 & 0 & 2 \\ -1 & -1 & 5 & -3 & 0 & 0 & 0 & 4 \\ -1 & -1 & 4 & -3 & 1 & 0 & 0 & 3 \\ 0 & 0 & 3 & -3 & 1 & 0 & 0 & 2 \\ 0 & 0 & 2 & -2 & 1 & -1 & 1 & 1 \\ 0 & 0 & 1 & -1 & 1 & -1 & 0 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 2 & -2 & 0 & 0 & 0 & 0 & 0 \\ 0 & 3 & -2 & 0 & 0 & 0 & 0 & 0 \\ 0 & 4 & -3 & 0 & 0 & 0 & 0 & 0 \\ 0 & 5 & -5 & 1 & 0 & 0 & 0 & 0 \\ 0 & 4 & -4 & 1 & 0 & 0 & -1 & 1 \\ 0 & 3 & -3 & 1 & -1 & 1 & -1 & 1 \\ 0 & 2 & -2 & 1 & -1 & 0 & 0 & 1 \\ 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & -2 & 2 & 0 \\ 0 & 1 & 0 & 0 & 0 & -3 & 3 & 0 \\ 0 & 0 & 1 & 0 & 0 & -4 & 4 & 0 \\ 0 & 0 & 0 & 1 & 0 & -6 & 6 & 0 \\ 0 & 0 & 0 & 1 & -1 & -4 & 5 & 0 \\ 0 & 0 & 0 & 0 & 0 & -3 & 4 & 0 \\ 0 & 0 & 0 & 0 & 0 & -2 & 3 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 & 1 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & -1 & 0 & 1 & 1 & 0 & -1 \\ 0 & -1 & -2 & 0 & 2 & 1 & -1 & 0 \\ 0 & -2 & -2 & 0 & 2 & 2 & -1 & -1 \\ 0 & -2 & -3 & -1 & 4 & 2 & -1 & -1 \\ 0 & -2 & -2 & -1 & 3 & 2 & -1 & 0 \\ 0 & -2 & -2 & 0 & 2 & 1 & 0 & 0 \\ 1 & -1 & -2 & 0 & 1 & 1 & 0 & 0 \\ 0 & 0 & -1 & 0 & 0 & 1 & 0 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{38}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & 0 & 0 & -1 & 2 & -1 & 1 & -2 \\ -1 & 1 & 1 & -2 & 3 & -2 & 1 & -2 \\ -1 & 1 & 1 & -3 & 4 & -2 & 2 & -3 \\ -1 & 2 & 2 & -5 & 6 & -3 & 2 & -4 \\ -1 & 1 & 2 & -4 & 5 & -2 & 1 & -3 \\ -1 & 0 & 2 & -3 & 4 & -2 & 1 & -2 \\ -1 & 0 & 2 & -2 & 2 & -1 & 1 & -2 \\ -1 & 0 & 1 & -1 & 1 & 0 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & -1 & 1 & 1 & -1 & 1 & -1 \\ -1 & 0 & -1 & 1 & 1 & -1 & 1 & -1 \\ -1 & -1 & -1 & 1 & 2 & -2 & 2 & -1 \\ -1 & -1 & -2 & 2 & 2 & -2 & 2 & -1 \\ -1 & -1 & -1 & 1 & 2 & -1 & 1 & -1 \\ -1 & -1 & -1 & 1 & 1 & 0 & 1 & -1 \\ -1 & -1 & 0 & 1 & 0 & 0 & 1 & -1 \\ -1 & -1 & 0 & 1 & 0 & 0 & 0 & 0 \end{pmatrix},$$

$$\begin{pmatrix} -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 0 & 0 & 0 & 1 & -2 & 1 & -1 & 2 \\ 1 & -1 & -1 & 2 & -3 & 2 & -1 & 2 \\ 1 & -1 & -1 & 3 & -4 & 2 & -2 & 3 \\ 1 & -2 & -2 & 5 & -6 & 3 & -2 & 4 \\ 1 & -1 & -2 & 4 & -5 & 2 & -1 & 3 \\ 1 & 0 & -2 & 3 & -4 & 2 & -1 & 2 \\ 1 & 0 & -2 & 2 & -2 & 1 & -1 & 2 \\ 1 & 0 & -1 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 1 & -1 & -1 & 1 & -1 & 1 \\ 1 & 0 & 1 & -1 & -1 & 1 & -1 & 1 \\ 1 & 1 & 1 & -1 & -2 & 2 & -2 & 1 \\ 1 & 1 & 2 & -2 & -2 & 2 & -2 & 1 \\ 1 & 1 & 1 & -1 & -2 & 1 & -1 & 1 \\ 1 & 1 & 1 & -1 & -1 & 0 & -1 & 1 \\ 1 & 1 & 0 & -1 & 0 & 0 & -1 & 1 \\ 1 & 1 & 0 & -1 & 0 & 0 & 0 & 0 \end{pmatrix},$$

$$\begin{pmatrix} 0 & 1 & -1 & 0 & -1 & 1 & 0 & 1 \\ -1 & 2 & 0 & -1 & -1 & 1 & 0 & 2 \\ -1 & 3 & -1 & -1 & -1 & 1 & 0 & 2 \\ -1 & 4 & -1 & -2 & -1 & 1 & 0 & 4 \\ -1 & 3 & -1 & -1 & -1 & 1 & -1 & 4 \\ 0 & 3 & -1 & -1 & -1 & 1 & -1 & 3 \\ 0 & 2 & -1 & 0 & -1 & 0 & 0 & 2 \\ 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -1 & 0 & 0 & 1 & -2 & 2 & -1 & 0 \\ -3 & 0 & 1 & 1 & -2 & 2 & -1 & 0 \\ -3 & 1 & 1 & 1 & -3 & 3 & -2 & 0 \\ -5 & 0 & 2 & 2 & -4 & 4 & -3 & 0 \\ -4 & 0 & 1 & 2 & -3 & 3 & -3 & 1 \\ -3 & 0 & 0 & 2 & -2 & 2 & -2 & 0 \\ -2 & 0 & 0 & 2 & -2 & 1 & -1 & 0 \\ -1 & 0 & 0 & 1 & -1 & 1 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & 1 & -1 & -1 & 1 & -1 \\ 1 & -1 & 0 & 2 & -1 & -2 & 1 & -1 \\ 0 & -1 & 1 & 2 & -1 & -3 & 2 & -2 \\ 1 & -2 & 1 & 3 & -1 & -5 & 3 & -2 \\ 1 & -1 & 1 & 2 & -1 & -4 & 3 & -2 \\ 0 & -1 & 1 & 2 & -1 & -3 & 2 & -1 \\ 0 & 0 & 1 & 1 & -1 & -2 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & -1 & 0 & 0 \end{pmatrix},$$

$$\begin{pmatrix} -1 & 0 & 0 & 0 & 2 & -2 & 0 & 0 \\ -1 & 0 & 1 & -1 & 3 & -3 & 1 & -1 \\ -2 & 0 & 1 & -1 & 4 & -4 & 1 & 0 \\ -2 & 0 & 2 & -2 & 6 & -6 & 1 & 0 \\ -2 & 0 & 2 & -2 & 5 & -4 & 0 & 0 \\ -2 & 0 & 2 & -2 & 4 & -3 & 0 & 0 \\ -2 & 0 & 2 & -1 & 2 & -2 & 0 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 2 & 0 & -1 & 0 & 1 & -1 & 0 \\ 0 & 2 & 0 & -1 & 0 & 1 & 0 & -1 \\ -1 & 3 & 1 & -2 & 0 & 2 & -1 & -1 \\ -1 & 4 & 0 & -2 & 0 & 3 & -1 & -2 \\ -1 & 3 & 0 & -2 & 1 & 2 & -1 & -1 \\ -1 & 2 & 0 & -1 & 0 & 2 & -1 & 0 \\ -1 & 2 & 0 & -1 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 1 & -1 & 1 & -1 & -1 & 1 \\ 0 & 1 & 2 & -2 & 2 & -2 & 0 & 0 \\ -1 & 1 & 3 & -2 & 2 & -2 & -1 & 1 \\ -1 & 1 & 4 & -3 & 4 & -4 & -1 & 1 \\ -1 & 1 & 3 & -3 & 4 & -3 & -1 & 1 \\ -1 & 1 & 3 & -3 & 3 & -2 & -1 & 1 \\ -1 & 1 & 2 & -2 & 2 & -2 & 0 & 1 \\ 0 & 0 & 1 & -1 & 1 & -1 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} -1 & 1 & -1 & 0 & 1 & 0 & 0 & -1 \\ -1 & 1 & -1 & 0 & 1 & 0 & 1 & -2 \\ -2 & 2 & -1 & -1 & 2 & 0 & 1 & -2 \\ -2 & 3 & -2 & -1 & 2 & 1 & 1 & -3 \\ -2 & 2 & -1 & -1 & 2 & 1 & 0 & -2 \\ -2 & 1 & -1 & 0 & 1 & 1 & 0 & -1 \\ -2 & 1 & 0 & 0 & 0 & 1 & 0 & -1 \\ -1 & 0 & 0 & 0 & 0 & 1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 2 & 1 & -1 & 0 & -1 & 1 & 0 & -1 \\ 3 & 1 & -1 & -1 & 0 & 1 & 0 & -1 \\ 4 & 1 & -1 & -1 & -1 & 2 & 0 & -2 \\ 6 & 2 & -1 & -2 & -1 & 2 & 0 & -2 \\ 5 & 1 & -1 & -1 & -1 & 1 & 1 & -2 \\ 4 & 1 & -1 & -1 & -1 & 1 & 1 & -1 \\ 3 & 0 & -1 & 0 & -1 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 & -2 & 1 & 0 & 0 & 1 & -2 \\ 1 & -1 & -2 & 1 & 1 & 0 & 1 & -3 \\ 2 & -1 & -3 & 1 & 1 & 0 & 2 & -4 \\ 2 & -2 & -4 & 2 & 2 & -1 & 3 & -6 \\ 2 & -2 & -3 & 2 & 1 & -1 & 3 & -5 \\ 1 & -2 & -2 & 2 & 0 & 0 & 2 & -4 \\ 1 & -2 & -2 & 2 & 0 & 0 & 1 & -2 \\ 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}, \\
\begin{pmatrix} 1 & 0 & 0 & -2 & 2 & 0 & 0 & 0 \\ 1 & 0 & -1 & -2 & 3 & 0 & -1 & 1 \\ 2 & 0 & -1 & -3 & 4 & 0 & -1 & 0 \\ 2 & 0 & -2 & -4 & 6 & 0 & -1 & 0 \\ 2 & 0 & -2 & -3 & 5 & 0 & -1 & 0 \\ 2 & 0 & -2 & -2 & 4 & -1 & 0 & 0 \\ 2 & 0 & -2 & -1 & 2 & 0 & 0 & 0 \\ 1 & 1 & -1 & -1 & 1 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -2 & 0 & 1 & 0 & 1 & -1 & 0 \\ 0 & -2 & 0 & 1 & 0 & 2 & -3 & 1 \\ 1 & -3 & -1 & 2 & 0 & 2 & -3 & 1 \\ 1 & -4 & 0 & 2 & 0 & 3 & -5 & 2 \\ 1 & -3 & 0 & 1 & 1 & 2 & -4 & 1 \\ 1 & -2 & 0 & 1 & 0 & 2 & -3 & 0 \\ 1 & -2 & 0 & 1 & 0 & 1 & -2 & 0 \\ 0 & -1 & 0 & 1 & 0 & 0 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & -1 & 1 & 1 & -1 & -1 \\ 0 & -1 & 1 & -1 & 1 & 2 & -3 & 0 \\ 1 & -1 & 1 & -2 & 2 & 2 & -3 & -1 \\ 1 & -1 & 2 & -3 & 2 & 4 & -5 & -1 \\ 1 & -1 & 1 & -2 & 2 & 3 & -4 & -1 \\ 1 & -1 & 1 & -1 & 1 & 2 & -3 & -1 \\ 1 & -1 & 0 & 0 & 0 & 2 & -2 & -1 \\ 0 & 0 & 0 & 0 & 0 & 1 & -1 & -1 \end{pmatrix}, \\
\begin{pmatrix} 1 & -1 & -1 & 0 & 1 & 0 & 0 & 1 \\ 1 & -1 & -2 & 0 & 2 & 0 & -1 & 2 \\ 2 & -2 & -3 & 1 & 2 & 0 & -1 & 2 \\ 2 & -3 & -4 & 1 & 4 & -1 & -1 & 3 \\ 2 & -2 & -3 & 0 & 4 & -1 & -1 & 2 \\ 2 & -1 & -3 & 0 & 3 & -1 & 0 & 1 \\ 2 & -1 & -2 & 0 & 2 & -1 & 0 & 1 \\ 1 & 0 & -1 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & -1 & 2 & -1 & 1 & -2 & 1 \\ 0 & -2 & -1 & 2 & 0 & 1 & -3 & 2 \\ 0 & -3 & -1 & 3 & -1 & 2 & -4 & 2 \\ 0 & -4 & -1 & 4 & -1 & 2 & -6 & 4 \\ 0 & -3 & -1 & 3 & -1 & 2 & -5 & 4 \\ 0 & -3 & -1 & 3 & -1 & 1 & -3 & 3 \\ 1 & -2 & -1 & 2 & -1 & 1 & -2 & 2 \\ 0 & -1 & 0 & 1 & -1 & 1 & -1 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -2 & 0 & 2 & -2 & 1 & 0 & 0 \\ 1 & -2 & -1 & 3 & -3 & 1 & 1 & -1 \\ 1 & -3 & -1 & 4 & -4 & 2 & 0 & -1 \\ 1 & -4 & -2 & 6 & -6 & 3 & 1 & -2 \\ 1 & -3 & -2 & 5 & -5 & 2 & 1 & -1 \\ 1 & -2 & -2 & 4 & -4 & 2 & 0 & 0 \\ 1 & -2 & -2 & 3 & -2 & 1 & 0 & 0 \\ 0 & -1 & -1 & 2 & -1 & 0 & 0 & 0 \end{pmatrix}, \\
\begin{pmatrix} 1 & 0 & 0 & -1 & 0 & 0 & 1 & 0 \\ 2 & 0 & 0 & -1 & 0 & -1 & 2 & -1 \\ 3 & 0 & -1 & -1 & 0 & -1 & 2 & 0 \\ 4 & 0 & 0 & -2 & 0 & -2 & 3 & 0 \\ 3 & 0 & 0 & -1 & -1 & -1 & 2 & 0 \\ 2 & 0 & 0 & -1 & 0 & -1 & 1 & 0 \\ 2 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 0 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & -1 & -1 & 1 & -1 & 0 & 1 & 1 \\ 2 & -1 & -2 & 2 & -2 & 0 & 2 & 0 \\ 3 & -1 & -3 & 2 & -2 & 0 & 2 & 1 \\ 4 & -1 & -4 & 3 & -4 & 1 & 3 & 1 \\ 3 & -1 & -3 & 3 & -4 & 1 & 2 & 1 \\ 2 & -1 & -3 & 3 & -3 & 1 & 1 & 1 \\ 2 & -1 & -2 & 2 & -2 & 1 & 0 & 1 \\ 1 & 0 & -1 & 1 & -1 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & 2 & 0 & -2 & 2 & -1 & 0 & 0 \\ -1 & 2 & 1 & -3 & 3 & -1 & -1 & 1 \\ -1 & 3 & 1 & -4 & 4 & -2 & 0 & 1 \\ -1 & 4 & 2 & -6 & 6 & -3 & -1 & 2 \\ -1 & 3 & 2 & -5 & 5 & -2 & -1 & 1 \\ -1 & 2 & 2 & -4 & 4 & -2 & 0 & 0 \\ -1 & 2 & 2 & -3 & 2 & -1 & 0 & 0 \\ 0 & 1 & 1 & -2 & 1 & 0 & 0 & 0 \end{pmatrix}, \\
\begin{pmatrix} -1 & 0 & 0 & 1 & 0 & 0 & -1 & 0 \\ -2 & 0 & 0 & 1 & 0 & 1 & -2 & 1 \\ -3 & 0 & 1 & 1 & 0 & 1 & -2 & 0 \\ -4 & 0 & 0 & 2 & 0 & 2 & -3 & 0 \\ -3 & 0 & 0 & 1 & 1 & 1 & -2 & 0 \\ -2 & 0 & 0 & 1 & 0 & 1 & -1 & 0 \\ -2 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ -1 & -1 & 0 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -1 & 1 & 1 & -1 & 1 & 0 & -1 & -1 \\ -2 & 1 & 2 & -2 & 2 & 0 & -2 & 0 \\ -3 & 1 & 3 & -2 & 2 & 0 & -2 & -1 \\ -4 & 1 & 4 & -3 & 4 & -1 & -3 & -1 \\ -3 & 1 & 3 & -3 & 4 & -1 & -2 & -1 \\ -2 & 1 & 3 & -3 & 3 & -1 & -1 & -1 \\ -2 & 1 & 2 & -2 & 2 & -1 & 0 & -1 \\ -1 & 0 & 1 & -1 & 1 & 0 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & -1 & -1 & 1 & 1 & 0 & 0 \\ 1 & 0 & -2 & -1 & 2 & 1 & -1 & 1 \\ 2 & 0 & -3 & -1 & 2 & 2 & -1 & 0 \\ 2 & 0 & -4 & -2 & 4 & 2 & -1 & 0 \\ 2 & 0 & -3 & -2 & 4 & 1 & -1 & 0 \\ 2 & 0 & -3 & -1 & 3 & 0 & 0 & 0 \\ 2 & 0 & -2 & -1 & 2 & 0 & 0 & 0 \\ 1 & 1 & -1 & -1 & 1 & 0 & 0 & 0 \end{pmatrix},
\end{pmatrix}$$

$$\begin{pmatrix} -1 & 0 & 1 & 0 & 1 & -1 & -1 & 0 \\ -1 & 0 & 2 & -1 & 2 & -2 & 0 & -1 \\ -2 & 0 & 3 & -1 & 2 & -2 & -1 & 0 \\ -2 & 0 & 4 & -2 & 4 & -4 & -1 & 0 \\ -2 & 0 & 3 & -2 & 4 & -3 & -1 & 0 \\ -2 & 0 & 3 & -2 & 3 & -2 & -1 & 0 \\ -2 & 0 & 2 & -1 & 2 & -2 & 0 & 0 \\ -1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 2 & -1 & -1 & 1 & 0 & 0 & 0 \\ 0 & 2 & -1 & -1 & 1 & 0 & 1 & -1 \\ -1 & 3 & -1 & -2 & 2 & 0 & 1 & -1 \\ -1 & 4 & -2 & -2 & 2 & 1 & 1 & -2 \\ -1 & 3 & -1 & -2 & 2 & 1 & 0 & -1 \\ -1 & 2 & -1 & -1 & 1 & 1 & 0 & 0 \\ -1 & 2 & 0 & -1 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 1 & 0 & 0 & 0 & 0 & -1 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ -1 & 1 & 1 & 0 & 0 & 0 & -1 & 1 \\ -1 & 1 & 0 & 1 & 0 & 0 & -1 & 1 \\ -1 & 1 & 0 & 0 & 1 & 0 & -1 & 1 \\ -1 & 1 & 0 & 0 & 0 & 1 & -1 & 1 \\ -1 & 1 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} -1 & 1 & 0 & -1 & 2 & -1 & 0 & -1 \\ -1 & 1 & 1 & -2 & 3 & -2 & 1 & -2 \\ -2 & 2 & 1 & -3 & 4 & -2 & 1 & -2 \\ -2 & 3 & 2 & -5 & 6 & -3 & 1 & -3 \\ -2 & 2 & 2 & -4 & 5 & -2 & 0 & -2 \\ -2 & 1 & 2 & -3 & 4 & -2 & 0 & -1 \\ -2 & 1 & 2 & -2 & 2 & -1 & 0 & -1 \\ -1 & 0 & 1 & -1 & 1 & 0 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -1 & 1 & -1 & 0 & 0 & 0 \\ 3 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 4 & -1 & -1 & 1 & -1 & 0 & 0 & 0 \\ 6 & 0 & -1 & 0 & -1 & 0 & 0 & 0 \\ 5 & 0 & -1 & 0 & -1 & 0 & 1 & -1 \\ 4 & 0 & -1 & 0 & -1 & 0 & 1 & 0 \\ 3 & 0 & -1 & 0 & -1 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & -1 & -2 & 2 & 0 & -1 & 1 & -1 \\ 1 & -2 & -2 & 2 & 1 & -1 & 1 & -2 \\ 2 & -3 & -3 & 3 & 1 & -2 & 2 & -2 \\ 2 & -4 & -4 & 4 & 2 & -3 & 3 & -4 \\ 2 & -3 & -3 & 3 & 1 & -2 & 3 & -4 \\ 1 & -3 & -2 & 3 & 0 & -1 & 2 & -3 \\ 1 & -2 & -2 & 2 & 0 & 0 & 1 & -2 \\ 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}.$$

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | | | |
|--------------------|----|----|---|---|----|---|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(10)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(11)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(12)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(13)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{38}^{(14)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{38}^{(15)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{38}^{(16)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{38}^{(17)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{38}^{(18)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{38}^{(19)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 |
| $\chi_{38}^{(20)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{38}^{(21)}$ | 4 | -4 | . | 4 | -4 | . | . | . | . | . | 4 | -4 | . | . | . | 1 | -1 | 1 | -1 | 2 | -2 | . | 2 | -2 | . | . | 2 |
| $\chi_{38}^{(22)}$ | 4 | -4 | . | 4 | -4 | . | . | . | . | . | 4 | -4 | . | . | . | 1 | -1 | 1 | -1 | -2 | 2 | . | -2 | 2 | . | . | -2 |
| $\chi_{38}^{(23)}$ | 4 | -4 | . | 4 | -4 | . | . | . | . | . | 4 | -4 | . | . | . | 1 | -1 | 1 | -1 | 2 | -2 | . | 2 | -2 | . | . | 2 |
| $\chi_{38}^{(24)}$ | 4 | -4 | . | 4 | -4 | . | . | | | | | | | | | | | | | | | | | | | | |

| | 10 | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | | |
|--------------------|----|-----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|---|
| $\chi_{38}^{(46)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | 2 | -2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | 2 | 2 | -2 | 2 | 2 | -2 | . | 2 | 2 | -2 | |
| $\chi_{38}^{(47)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | 2 | -2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | -2 | -2 | 2 | -2 | -2 | 2 | . | -2 | -2 | 2 | |
| $\chi_{38}^{(48)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | 2 | -2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | 2 | 2 | -2 | 2 | 2 | -2 | . | 2 | 2 | -2 | |
| $\chi_{38}^{(49)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | -2 | -2 | 2 | -2 | -2 | 2 | . | 2 | 2 | -2 | |
| $\chi_{38}^{(50)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | 2 | 2 | -2 | 2 | 2 | -2 | . | -2 | -2 | 2 | |
| $\chi_{38}^{(51)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | -2 | -2 | 2 | -2 | -2 | 2 | . | 2 | 2 | -2 | |
| $\chi_{38}^{(52)}$ | 6 | 6 | -2 | 6 | 6 | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | 2 | 2 | -2 | 2 | 2 | -2 | . | -2 | -2 | 2 | |
| $\chi_{38}^{(53)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | . | 2 | 2 | 2 | |
| $\chi_{38}^{(54)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | . | -2 | -2 | -2 | |
| $\chi_{38}^{(55)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | . | 2 | 2 | 2 | |
| $\chi_{38}^{(56)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | . | -2 | -2 | -2 | |
| $\chi_{38}^{(57)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | -2 | 2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(58)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | -2 | 2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(59)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | -2 | 2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(60)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | -2 | 2 | 6 | 6 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(61)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(62)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(63)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(64)}$ | 6 | 6 | -2 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | 6 | 6 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(65)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(66)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(67)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(68)}$ | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(69)}$ | 8 | -8 | . | 8 | -8 | . | . | . | . | . | 8 | -8 | . | . | . | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(70)}$ | 8 | -8 | . | 8 | -8 | . | . | . | . | . | 8 | -8 | . | . | . | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(71)}$ | 8 | -8 | . | 8 | -8 | . | . | . | . | . | 8 | -8 | . | . | . | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(72)}$ | 8 | -8 | . | 8 | -8 | . | . | . | . | . | 8 | -8 | . | . | . | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(73)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(74)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(75)}$ | 8 | -8 | . | -8 | 8 | . | . | . | . | . | . | . | . | -8 | 8 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(76)}$ | 8 | -8 | . | -8 | 8 | . | . | . | . | . | . | . | . | -8 | 8 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(77)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(78)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(79)}$ | 8 | -8 | . | -8 | 8 | . | . | . | . | . | . | . | . | -8 | 8 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(80)}$ | 8 | -8 | . | -8 | 8 | . | . | . | . | . | . | . | . | -8 | 8 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(81)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . |
| $\chi_{38}^{(82)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . |
| $\chi_{38}^{(83)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . |
| $\chi_{38}^{(84)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . |
| $\chi_{38}^{(85)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . |
| $\chi_{38}^{(86)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . |
| $\chi_{38}^{(87)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . |
| $\chi_{38}^{(88)}$ | 12 | 12 | -4 | -12 | -12 | 4 | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . |
| $\chi_{38}^{(89)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | . | . | -2 | 2 | . | -2 | 2 | . | . | 2 | -2 | . | . |
| $\chi_{38}^{(90)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | . | . | 2 | -2 | . | 2 | -2 | . | . | -2 | 2 | . | . |

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | |
|---------------------|----|-----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(91)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | -2 | 2 | . | -2 | 2 | . | . | 2 | -2 | . | | | | |
| $\chi_{38}^{(92)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | 2 | -2 | . | 2 | -2 | . | . | -2 | 2 | . | | | | |
| $\chi_{38}^{(93)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 2 | | | | |
| $\chi_{38}^{(94)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -2 | | | | |
| $\chi_{38}^{(95)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 2 | | | | |
| $\chi_{38}^{(96)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -2 | | | | |
| $\chi_{38}^{(97)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | -2 | 2 | . | -2 | 2 | . | . | 2 | -2 | . | | | | |
| $\chi_{38}^{(98)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | 2 | -2 | . | 2 | -2 | . | . | -2 | 2 | . | | | | |
| $\chi_{38}^{(99)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | -2 | 2 | . | -2 | 2 | . | . | 2 | -2 | . | | | | |
| $\chi_{38}^{(100)}$ | 12 | -12 | . | 12 | -12 | . | . | . | . | . | -4 | 4 | . | . | . | . | . | 2 | -2 | . | 2 | -2 | . | . | -2 | 2 | . | | | | |
| $\chi_{38}^{(101)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 2 | | | | |
| $\chi_{38}^{(102)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -2 | | | | |
| $\chi_{38}^{(103)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 2 | | | | |
| $\chi_{38}^{(104)}$ | 12 | -12 | . | -12 | 12 | . | . | . | . | . | . | . | 4 | -4 | . | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -2 | | | | |
| $\chi_{38}^{(105)}$ | 24 | 24 | -8 | 24 | 24 | -8 | . | . | . | . | -8 | -8 | 8 | -8 | -8 | . | . | . | . | . | . | . | . | . | . | . | . | | | | |
| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | | |
| $\chi_{38}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | |
| $\chi_{38}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(4)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(5)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(6)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(7)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(9)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{38}^{(10)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(11)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{38}^{(12)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(13)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(14)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(15)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(16)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(17)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(18)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(19)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(20)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | -1 | -1 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . | |
| $\chi_{38}^{(21)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | . | . | 2 | -2 | 2 | -2 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{38}^{(22)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | 2 | -2 | 2 | -2 | . | . | 2 | -2 | 2 | -2 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{38}^{(23)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | . | . | 2 | -2 | 2 | -2 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{38}^{(24)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | 2 | -2 | 2 | -2 | . | . | 2 | -2 | 2 | -2 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{38}^{(25)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | . | . | -2 | 2 | -2 | 2 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{38}^{(26)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | -2 | 2 | -2 | 2 | . | . | -2 | 2 | -2 | 2 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{38}^{(27)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | . | . | -2 | 2 | -2 | 2 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{38}^{(28)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | -2 | 2 | -2 | 2 | . | . | -2 | 2 | -2 | 2 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{38}^{(29)}$ | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{38}^{(30)}$ | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 |

| | 30 | | | | | | | | 40 | | | | | | | | 50 | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(31)}$ | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{38}^{(32)}$ | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{38}^{(33)}$ | -2 | -2 | 2 | . | 2 | -2 | . | . | 2 | -2 | . | . | 2 | -2 | -2 | 2 | . | . | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | |
| $\chi_{38}^{(34)}$ | 2 | 2 | -2 | . | -2 | 2 | . | . | -2 | 2 | . | . | 2 | -2 | -2 | 2 | . | . | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | |
| $\chi_{38}^{(35)}$ | -2 | -2 | 2 | . | 2 | -2 | . | . | 2 | -2 | . | . | 2 | -2 | -2 | 2 | . | . | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{38}^{(36)}$ | 2 | 2 | -2 | . | -2 | 2 | . | . | -2 | 2 | . | . | 2 | -2 | -2 | 2 | . | . | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{38}^{(37)}$ | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{38}^{(38)}$ | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{38}^{(39)}$ | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{38}^{(40)}$ | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{38}^{(41)}$ | -2 | 2 | -2 | . | -2 | 2 | . | . | -2 | 2 | . | . | -2 | 2 | 2 | -2 | . | . | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | |
| $\chi_{38}^{(42)}$ | 2 | -2 | 2 | . | 2 | -2 | . | . | 2 | -2 | . | . | -2 | 2 | 2 | -2 | . | . | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | |
| $\chi_{38}^{(43)}$ | -2 | 2 | -2 | . | -2 | 2 | . | . | -2 | 2 | . | . | -2 | 2 | 2 | -2 | . | . | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | |
| $\chi_{38}^{(44)}$ | 2 | -2 | 2 | . | 2 | -2 | . | . | 2 | -2 | . | . | -2 | 2 | 2 | -2 | . | . | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | |
| $\chi_{38}^{(45)}$ | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(46)}$ | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(47)}$ | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(48)}$ | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(49)}$ | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(50)}$ | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(51)}$ | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(52)}$ | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(53)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | -2 | -2 | -2 | -2 | -6 | -6 | -6 | -6 | -2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(54)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | 2 | 2 | 2 | 2 | -6 | -6 | -6 | -6 | -2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(55)}$ | 2 | -2 | -2 | -2 | -2 | -2 | -2 | . | 2 | 2 | 2 | 2 | 6 | 6 | 6 | 6 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(56)}$ | -2 | 2 | 2 | 2 | 2 | 2 | 2 | . | -2 | -2 | -2 | -2 | 6 | 6 | 6 | 6 | 2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(57)}$ | . | -2 | -2 | 2 | -2 | -2 | 2 | . | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(58)}$ | . | 2 | 2 | -2 | 2 | 2 | -2 | . | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(59)}$ | . | -2 | -2 | 2 | -2 | -2 | 2 | . | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(60)}$ | . | 2 | 2 | -2 | 2 | 2 | -2 | . | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(61)}$ | . | -2 | -2 | 2 | -2 | -2 | 2 | . | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(62)}$ | . | 2 | 2 | -2 | 2 | 2 | -2 | . | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(63)}$ | . | -2 | -2 | 2 | -2 | -2 | 2 | . | -2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(64)}$ | . | 2 | 2 | -2 | 2 | 2 | -2 | . | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{38}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -6 | -6 | -6 | -6 | 2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -6 | -6 | -6 | -6 | 2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 6 | 6 | 6 | 6 | -2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{38}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | 4 | -4 | 4 | -4 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | |
| $\chi_{38}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | 4 | -4 | . | . | 4 | -4 | 4 | -4 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{38}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | -4 | 4 | -4 | 4 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | |
| $\chi_{38}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | -4 | 4 | . | . | -4 | 4 | -4 | 4 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | |
| $\chi_{38}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{38}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{38}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | -4 | 4 | . | . | 4 | -4 | -4 | 4 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | 4 | -4 | -4 | 4 | . | . | 4 | -4 | -4 | 4 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{38}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{38}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 |
| $\chi_{38}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | -4 | 4 | 4 | -4 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 |
| $\chi_{38}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | -4 | 4 | 4 | -4 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{38}^{(81)}$ | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(82)}$ | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(83)}$ | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(84)}$ | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(85)}$ | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(86)}$ | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(87)}$ | . | 2 | 2 | -2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(88)}$ | . | -2 | -2 | 2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(89)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | 6 | -6 | 6 | -6 | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(90)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | 6 | -6 | 6 | -6 | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(91)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | 6 | -6 | 6 | -6 | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(92)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | 6 | -6 | 6 | -6 | . | . | -2 | 2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(93)}$ | -2 | 2 | -2 | . | -2 | 2 | . | . | 2 | -2 | . | . | 6 | -6 | -6 | 6 | . | . | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(94)}$ | 2 | -2 | 2 | . | 2 | -2 | . | . | -2 | 2 | . | . | 6 | -6 | -6 | 6 | . | . | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(95)}$ | -2 | 2 | -2 | . | -2 | 2 | . | . | 2 | -2 | . | . | 6 | -6 | -6 | 6 | . | . | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(96)}$ | 2 | -2 | 2 | . | 2 | -2 | . | . | -2 | 2 | . | . | 6 | -6 | -6 | 6 | . | . | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(97)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | -6 | 6 | -6 | 6 | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(98)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | -6 | 6 | -6 | 6 | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(99)}$ | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | -6 | 6 | -6 | 6 | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(100)}$ | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | -6 | 6 | -6 | 6 | . | . | 2 | -2 | 2 | -2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(101)}$ | -2 | -2 | 2 | . | 2 | -2 | . | . | -2 | 2 | . | . | -6 | 6 | 6 | -6 | . | . | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(102)}$ | 2 | 2 | -2 | . | -2 | 2 | . | . | 2 | -2 | . | . | -6 | 6 | 6 | -6 | . | . | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(103)}$ | -2 | -2 | 2 | . | 2 | -2 | . | . | -2 | 2 | . | . | -6 | 6 | 6 | -6 | . | . | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(104)}$ | 2 | 2 | -2 | . | -2 | 2 | . | . | 2 | -2 | . | . | -6 | 6 | 6 | -6 | . | . | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(105)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | | |
| $\chi_{38}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(10)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(11)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(12)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(13)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{38}^{(14)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{38}^{(15)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | |

| | 90 | | | | | | | | | | 100 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{38}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{38}^{(9)}$ | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(10)}$ | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(11)}$ | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(12)}$ | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(13)}$ | 1 | -1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{38}^{(14)}$ | -1 | 1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{38}^{(15)}$ | -1 | 1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{38}^{(16)}$ | 1 | -1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{38}^{(17)}$ | 1 | -1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{38}^{(18)}$ | -1 | 1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{38}^{(19)}$ | -1 | 1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{38}^{(20)}$ | 1 | -1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{38}^{(21)}$ | . | . | . | -2 | 2 | . | -2 | 2 | -1 | 1 | -1 | 1 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{38}^{(22)}$ | . | . | . | 2 | -2 | . | 2 | -2 | -1 | 1 | -1 | 1 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{38}^{(23)}$ | . | . | . | 2 | -2 | . | 2 | -2 | 1 | -1 | 1 | -1 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{38}^{(24)}$ | . | . | . | -2 | 2 | . | -2 | 2 | 1 | -1 | 1 | -1 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{38}^{(25)}$ | . | . | . | -2 | 2 | . | -2 | 2 | -1 | 1 | -1 | 1 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{38}^{(26)}$ | . | . | . | 2 | -2 | . | 2 | -2 | -1 | 1 | -1 | 1 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 |
| $\chi_{38}^{(27)}$ | . | . | . | 2 | -2 | . | 2 | -2 | 1 | -1 | 1 | -1 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{38}^{(28)}$ | . | . | . | -2 | 2 | . | -2 | 2 | 1 | -1 | 1 | -1 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 |
| $\chi_{38}^{(29)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | 1 | 1 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(30)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | 1 | 1 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(31)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | -1 | -1 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(32)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 1 | 1 | -1 | -1 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(33)}$ | -2 | . | . | -2 | 2 | . | 2 | -2 | -1 | 1 | 1 | -1 | . | . | -4 | 4 | . | . | 4 | -4 |
| $\chi_{38}^{(34)}$ | 2 | . | . | 2 | -2 | . | -2 | 2 | -1 | 1 | 1 | -1 | . | . | -4 | 4 | . | . | 4 | -4 |
| $\chi_{38}^{(35)}$ | 2 | . | . | 2 | -2 | . | -2 | 2 | 1 | -1 | -1 | 1 | . | . | 4 | -4 | . | . | -4 | 4 |
| $\chi_{38}^{(36)}$ | -2 | . | . | -2 | 2 | . | 2 | -2 | 1 | -1 | -1 | 1 | . | . | 4 | -4 | . | . | -4 | 4 |
| $\chi_{38}^{(37)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | 1 | 1 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(38)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | 1 | 1 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 |
| $\chi_{38}^{(39)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | -1 | -1 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(40)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 1 | 1 | -1 | -1 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{38}^{(41)}$ | -2 | . | . | -2 | 2 | . | 2 | -2 | -1 | 1 | 1 | -1 | . | . | -4 | 4 | . | . | 4 | -4 |
| $\chi_{38}^{(42)}$ | 2 | . | . | 2 | -2 | . | -2 | 2 | -1 | 1 | 1 | -1 | . | . | -4 | 4 | . | . | 4 | -4 |
| $\chi_{38}^{(43)}$ | 2 | . | . | 2 | -2 | . | -2 | 2 | 1 | -1 | -1 | 1 | . | . | 4 | -4 | . | . | -4 | 4 |
| $\chi_{38}^{(44)}$ | -2 | . | . | -2 | 2 | . | 2 | -2 | 1 | -1 | -1 | 1 | . | . | 4 | -4 | . | . | -4 | 4 |
| $\chi_{38}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

| | 90 | | | | | | | | | | 100 | | | | | | | | | |
|--------------------|----|---|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{38}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(47)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(48)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(49)}$ | 2 | . | -2 | 2 | 2 | -2 | 2 | 2 | . | . | . | . | 2 | 2 | -6 | -6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(50)}$ | -2 | . | 2 | -2 | -2 | 2 | -2 | -2 | . | . | . | . | 2 | 2 | -6 | -6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(51)}$ | -2 | . | 2 | -2 | -2 | 2 | -2 | -2 | . | . | . | . | -2 | -2 | 6 | 6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(52)}$ | 2 | . | -2 | 2 | 2 | -2 | 2 | 2 | . | . | . | . | -2 | -2 | 6 | 6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(57)}$ | -2 | . | -2 | 2 | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(58)}$ | 2 | . | 2 | -2 | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(59)}$ | 2 | . | 2 | -2 | -2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(60)}$ | -2 | . | -2 | 2 | 2 | -2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -6 | -6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -6 | -6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 6 | 6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 6 | 6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(65)}$ | -2 | . | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(66)}$ | 2 | . | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(67)}$ | 2 | . | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(68)}$ | -2 | . | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{38}^{(69)}$ | . | . | . | . | . | . | . | . | 1 | -1 | 1 | -1 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 |
| $\chi_{38}^{(70)}$ | . | . | . | . | . | . | . | . | -1 | 1 | -1 | 1 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 |
| $\chi_{38}^{(71)}$ | . | . | . | . | . | . | . | . | 1 | -1 | 1 | -1 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 |
| $\chi_{38}^{(72)}$ | . | . | . | . | . | . | . | . | -1 | 1 | -1 | 1 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 |
| $\chi_{38}^{(73)}$ | . | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 |
| $\chi_{38}^{(74)}$ | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 |
| $\chi_{38}^{(75)}$ | . | . | . | . | . | . | . | . | 1 | -1 | -1 | 1 | . | . | -8 | 8 | . | . | 8 | -8 |
| $\chi_{38}^{(76)}$ | . | . | . | . | . | . | . | . | -1 | 1 | 1 | -1 | . | . | 8 | -8 | . | . | -8 | 8 |
| $\chi_{38}^{(77)}$ | . | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 |
| $\chi_{38}^{(78)}$ | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 |
| $\chi_{38}^{(79)}$ | . | . | . | . | . | . | . | . | 1 | -1 | -1 | 1 | . | . | -8 | 8 | . | . | 8 | -8 |
| $\chi_{38}^{(80)}$ | . | . | . | . | . | . | . | . | -1 | 1 | 1 | -1 | . | . | 8 | -8 | . | . | -8 | 8 |
| $\chi_{38}^{(81)}$ | . | . | -2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | -2 | -2 | 6 | 6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(82)}$ | . | . | 2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | -2 | -2 | 6 | 6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(83)}$ | . | . | -2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | -2 | -2 | 6 | 6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(84)}$ | . | . | 2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | -2 | -2 | 6 | 6 | 2 | 2 | -6 | -6 |
| $\chi_{38}^{(85)}$ | . | . | 2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | 2 | 2 | -6 | -6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(86)}$ | . | . | -2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 2 | 2 | -6 | -6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(87)}$ | . | . | 2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | 2 | 2 | -6 | -6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(88)}$ | . | . | -2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 2 | 2 | -6 | -6 | -2 | -2 | 6 | 6 |
| $\chi_{38}^{(89)}$ | . | . | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | 6 | -6 | 2 | -2 | 6 | -6 |
| $\chi_{38}^{(90)}$ | . | . | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | 6 | -6 | 2 | -2 | 6 | -6 |

| | 90 | | | | | | | | | | | | 100 | | | | | | | | | | | |
|---------------------|----|---|---|----|----|---|----|----|---|---|---|---|-----|----|----|----|----|----|----|----|---|---|--|--|
| $\chi_{38}^{(91)}$ | . | . | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | -6 | 6 | -2 | 2 | -6 | 6 | . | . | | |
| $\chi_{38}^{(92)}$ | . | . | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | -6 | 6 | -2 | 2 | -6 | 6 | . | . | | |
| $\chi_{38}^{(93)}$ | -2 | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 4 | -4 | . | . | -4 | 4 | . | . | . | . | | |
| $\chi_{38}^{(94)}$ | 2 | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | 4 | -4 | . | . | -4 | 4 | . | . | . | . | | |
| $\chi_{38}^{(95)}$ | 2 | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -4 | 4 | . | . | 4 | -4 | . | . | . | . | | |
| $\chi_{38}^{(96)}$ | -2 | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | -4 | 4 | . | . | 4 | -4 | . | . | . | . | | |
| $\chi_{38}^{(97)}$ | . | . | . | 2 | -2 | . | 2 | -2 | . | . | . | . | 2 | -2 | 6 | -6 | 2 | -2 | 6 | -6 | . | . | | |
| $\chi_{38}^{(98)}$ | . | . | . | -2 | 2 | . | -2 | 2 | . | . | . | . | 2 | -2 | 6 | -6 | 2 | -2 | 6 | -6 | . | . | | |
| $\chi_{38}^{(99)}$ | . | . | . | -2 | 2 | . | -2 | 2 | . | . | . | . | -2 | 2 | -6 | 6 | -2 | 2 | -6 | 6 | . | . | | |
| $\chi_{38}^{(100)}$ | . | . | . | 2 | -2 | . | 2 | -2 | . | . | . | . | -2 | 2 | -6 | 6 | -2 | 2 | -6 | 6 | . | . | | |
| $\chi_{38}^{(101)}$ | 2 | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | -4 | 4 | . | . | 4 | -4 | . | . | . | . | | |
| $\chi_{38}^{(102)}$ | -2 | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | -4 | 4 | . | . | 4 | -4 | . | . | . | . | | |
| $\chi_{38}^{(103)}$ | -2 | . | . | 2 | -2 | . | -2 | 2 | . | . | . | . | 4 | -4 | . | . | -4 | 4 | . | . | . | . | | |
| $\chi_{38}^{(104)}$ | 2 | . | . | -2 | 2 | . | 2 | -2 | . | . | . | . | 4 | -4 | . | . | -4 | 4 | . | . | . | . | | |
| $\chi_{38}^{(105)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |

The generators of $G^{s_{39}}$ are:

$$\begin{pmatrix} 0 & 0 & -1 & 2 & -1 & 0 & -1 & 0 \\ 1 & -1 & -2 & 3 & -1 & 0 & -1 & -1 \\ 1 & -1 & -2 & 4 & -2 & 0 & -2 & 0 \\ 1 & -2 & -3 & 6 & -2 & -1 & -2 & -1 \\ 1 & -1 & -3 & 5 & -2 & -1 & -1 & -1 \\ 0 & -1 & -2 & 4 & -2 & 0 & -1 & -1 \\ 0 & -1 & -2 & 3 & -1 & 0 & -1 & 0 \\ 0 & -1 & -1 & 2 & -1 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & -1 & 0 & 1 & 0 & -1 \\ 0 & 2 & 0 & -1 & 0 & 1 & 0 & -1 \\ 0 & 2 & 1 & -2 & 0 & 2 & 0 & -2 \\ 0 & 3 & 0 & -2 & 0 & 3 & 0 & -3 \\ 0 & 2 & 0 & -2 & 1 & 2 & 0 & -2 \\ 0 & 1 & 0 & -1 & 0 & 2 & 0 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 0 & 1 & 0 & 0 & 1 & 0 \\ -1 & -3 & 0 & 2 & -1 & 0 & 2 & -1 \\ -1 & -4 & 0 & 2 & 0 & -1 & 3 & -1 \\ -2 & -6 & 0 & 3 & 0 & -1 & 4 & -2 \\ -1 & -5 & 0 & 2 & 0 & 0 & 3 & -2 \\ -1 & -4 & 0 & 2 & 0 & 0 & 2 & -2 \\ -1 & -2 & 0 & 1 & 0 & 0 & 2 & -2 \\ 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 0 & -2 & 1 & 0 & 0 & 1 & -2 \\ 1 & -1 & -2 & 1 & 1 & 0 & 1 & -3 \\ 2 & -1 & -3 & 1 & 1 & 0 & 2 & -4 \\ 2 & -2 & -4 & 2 & 2 & -1 & 3 & -6 \\ 2 & -2 & -3 & 2 & 1 & -1 & 3 & -5 \\ 1 & -2 & -2 & 2 & 0 & 0 & 2 & -4 \\ 1 & -2 & -2 & 2 & 0 & 0 & 1 & -2 \\ 0 & -1 & -1 & 1 & 0 & 0 & 1 & -1 \end{pmatrix}, \begin{pmatrix} 1 & 1 & -2 & 1 & 0 & -1 & 0 & 1 \\ 0 & 2 & -2 & 1 & 0 & -1 & 0 & 1 \\ 0 & 2 & -3 & 2 & 0 & -2 & 0 & 2 \\ 0 & 3 & -5 & 3 & 0 & -2 & 0 & 2 \\ 0 & 3 & -4 & 2 & 0 & -1 & -1 & 2 \\ 0 & 2 & -3 & 2 & -1 & 0 & -1 & 2 \\ 0 & 2 & -2 & 1 & -1 & 0 & 0 & 1 \\ 0 & 1 & -1 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{39}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -2 & -1 & 0 & 1 & 0 & 0 & 0 & 1 \\ -3 & -1 & 0 & 2 & -1 & 0 & 0 & 1 \\ -4 & -1 & 0 & 2 & 0 & -1 & 0 & 2 \\ -6 & -2 & 0 & 3 & 0 & -1 & 0 & 2 \\ -5 & -1 & 0 & 2 & 0 & 0 & -1 & 2 \\ -4 & -1 & 0 & 2 & 0 & 0 & -1 & 1 \\ -3 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ -1 & 0 & -1 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} -2 & -1 & 1 & 0 & 1 & -1 & 0 & 1 \\ -2 & -2 & 2 & -1 & 2 & -1 & 0 & 1 \\ -3 & -2 & 2 & -1 & 3 & -2 & 0 & 2 \\ -4 & -3 & 4 & -2 & 4 & -3 & 0 & 3 \\ -4 & -2 & 4 & -2 & 3 & -2 & 0 & 2 \\ -3 & -1 & 3 & -2 & 3 & -2 & 0 & 1 \\ -2 & -1 & 2 & -1 & 2 & -1 & -1 & 1 \\ -1 & -1 & 1 & 0 & 1 & -1 & 0 & 0 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 1 & 0 & -2 & 2 & -1 & 1 & -1 \\ 1 & 2 & 0 & -3 & 3 & -1 & 0 & 0 \\ 1 & 2 & 0 & -4 & 4 & -1 & 1 & -1 \\ 2 & 4 & 0 & -6 & 5 & -1 & 1 & -1 \\ 1 & 3 & 1 & -5 & 4 & -1 & 1 & -1 \\ 1 & 2 & 1 & -4 & 3 & -1 & 1 & 0 \\ 1 & 1 & 1 & -3 & 2 & 0 & 0 & 0 \\ 0 & 1 & 1 & -2 & 1 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & 0 & 0 & -1 & -1 & 1 \\ 3 & 1 & -1 & 0 & 0 & -1 & -1 & 1 \\ 3 & 1 & -1 & 1 & -1 & -1 & -2 & 2 \\ 5 & 2 & -2 & 1 & -1 & -2 & -2 & 3 \\ 4 & 2 & -2 & 1 & -1 & -2 & -1 & 2 \\ 3 & 2 & -1 & 0 & -1 & -1 & -1 & 2 \\ 2 & 1 & -1 & 0 & 0 & -1 & -1 & 2 \\ 1 & 0 & 0 & 0 & 0 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 2 & -2 & 0 & 0 & 0 & 0 & 0 \\ 2 & 2 & -3 & 1 & -1 & 0 & 1 & -1 \\ 2 & 3 & -4 & 1 & -1 & 0 & 1 & -1 \\ 3 & 4 & -6 & 2 & -2 & 1 & 1 & -2 \\ 3 & 3 & -5 & 2 & -2 & 1 & 0 & -1 \\ 2 & 2 & -4 & 2 & -2 & 1 & 0 & 0 \\ 1 & 2 & -2 & 1 & -2 & 1 & 0 & 0 \\ 1 & 1 & -1 & 0 & -1 & 1 & 0 & 0 \end{pmatrix}, \\
\begin{pmatrix} 1 & 2 & -1 & -1 & 1 & -1 & 0 & 0 \\ 3 & 2 & -2 & -1 & 1 & -1 & 0 & 0 \\ 3 & 3 & -3 & -1 & 1 & -1 & 0 & 0 \\ 5 & 5 & -4 & -2 & 1 & -1 & 0 & 0 \\ 4 & 4 & -3 & -1 & 0 & -1 & 0 & 0 \\ 3 & 3 & -2 & -1 & 0 & -1 & 0 & 1 \\ 2 & 2 & -1 & -1 & 0 & 0 & -1 & 1 \\ 1 & 1 & 0 & -1 & 0 & 0 & 0 & 0 \end{pmatrix}.$$

| | 40 | | | | | | | | | | | | | | | | 50 | | | | | | | |
|---------------------|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|----|----|----|----|----|----|----|----|--|
| $\chi_{39}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | . | 2 | . | -2 | |
| $\chi_{39}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | . | -2 | . | -2 | |
| $\chi_{39}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | . | -2 | . | -2 | |
| $\chi_{39}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | . | 2 | . | 2 | |
| $\chi_{39}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | . | 2 | . | 2 | |
| $\chi_{39}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | . | -2 | . | 2 | |
| $\chi_{39}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | . | -2 | . | 2 | |
| $\chi_{39}^{(73)}$ | -2 | . | 2 | . | . | . | 2 | . | . | . | . | . | . | . | 2 | . | 2 | -2 | -2 | . | . | . | . | |
| $\chi_{39}^{(74)}$ | 2 | . | -2 | . | . | . | -2 | . | . | . | . | . | . | . | -2 | . | -2 | 2 | 2 | . | . | . | . | |
| $\chi_{39}^{(75)}$ | -2 | . | 2 | . | . | . | -2 | . | . | . | . | . | . | . | -2 | . | 2 | -2 | 2 | . | . | . | . | |
| $\chi_{39}^{(76)}$ | 2 | . | -2 | . | . | . | 2 | . | . | . | . | . | . | . | 2 | . | -2 | 2 | -2 | . | . | . | . | |
| $\chi_{39}^{(77)}$ | 2 | . | 2 | . | . | . | 2 | . | . | . | . | . | . | . | -2 | . | -2 | -2 | -2 | . | . | . | . | |
| $\chi_{39}^{(78)}$ | -2 | . | -2 | . | . | . | -2 | . | . | . | . | . | . | . | 2 | . | 2 | 2 | 2 | . | . | . | . | |
| $\chi_{39}^{(79)}$ | 2 | . | 2 | . | . | . | -2 | . | . | . | . | . | . | . | 2 | . | -2 | -2 | 2 | . | . | . | . | |
| $\chi_{39}^{(80)}$ | -2 | . | -2 | . | . | . | 2 | . | . | . | . | . | . | . | -2 | . | 2 | 2 | -2 | . | . | . | . | |
| $\chi_{39}^{(81)}$ | . | . | . | . | 2 | . | . | . | 2 | . | -2 | . | -2 | . | -2 | 2 | . | 2 | . | . | . | . | . | |
| $\chi_{39}^{(82)}$ | . | . | . | . | -2 | . | . | . | -2 | . | 2 | . | 2 | . | 2 | 2 | -2 | . | -2 | . | . | . | . | |
| $\chi_{39}^{(83)}$ | . | . | . | . | -2 | . | . | . | 2 | . | -2 | . | 2 | . | 2 | -2 | 2 | . | -2 | . | . | . | . | |
| $\chi_{39}^{(84)}$ | . | . | . | . | 2 | . | . | . | -2 | . | 2 | . | -2 | . | -2 | 2 | -2 | . | 2 | . | . | . | . | |
| $\chi_{39}^{(85)}$ | . | . | . | . | -2 | . | . | . | -2 | . | -2 | . | -2 | . | 2 | 2 | 2 | . | 2 | . | . | . | . | |
| $\chi_{39}^{(86)}$ | . | . | . | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | -2 | -2 | -2 | . | -2 | . | . | . | . | |
| $\chi_{39}^{(87)}$ | . | . | . | . | 2 | . | . | . | -2 | . | -2 | . | 2 | . | -2 | 2 | 2 | . | -2 | . | . | . | . | |
| $\chi_{39}^{(88)}$ | . | . | . | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | 2 | -2 | -2 | . | 2 | . | . | . | . | |
| $\chi_{39}^{(89)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | . | -2 | |
| $\chi_{39}^{(90)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | . | -2 | -2 | |
| $\chi_{39}^{(91)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | . | 2 | -2 | |
| $\chi_{39}^{(92)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | . | 2 | -2 | |
| $\chi_{39}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | . | -2 | 2 | |
| $\chi_{39}^{(94)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | . | -2 | 2 | |
| $\chi_{39}^{(95)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | . | 2 | 2 | |
| $\chi_{39}^{(96)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | . | 2 | 2 | |
| $\chi_{39}^{(97)}$ | 2 | . | 2 | . | . | . | -B | . | . | . | . | . | . | . | B | . | -2 | -2 | B | . | . | . | . | |
| $\chi_{39}^{(98)}$ | 2 | . | 2 | . | . | . | B | . | . | . | . | . | . | . | -B | . | -2 | -2 | -B | . | . | . | . | |
| $\chi_{39}^{(99)}$ | -2 | . | -2 | . | . | . | B | . | . | . | . | . | . | . | -B | . | 2 | 2 | -B | . | . | . | . | |
| $\chi_{39}^{(100)}$ | -2 | . | -2 | . | . | . | -B | . | . | . | . | . | . | . | B | . | 2 | 2 | B | . | . | . | . | |
| $\chi_{39}^{(101)}$ | -2 | . | 2 | . | . | . | -B | . | . | . | . | . | . | . | -B | . | 2 | -2 | B | . | . | . | . | |
| $\chi_{39}^{(102)}$ | -2 | . | 2 | . | . | . | B | . | . | . | . | . | . | . | B | . | 2 | -2 | -B | . | . | . | . | |
| $\chi_{39}^{(103)}$ | 2 | . | -2 | . | . | . | B | . | . | . | . | . | . | . | B | . | -2 | 2 | -B | . | . | . | . | |
| $\chi_{39}^{(104)}$ | 2 | . | -2 | . | . | . | -B | . | . | . | . | . | . | . | -B | . | -2 | 2 | B | . | . | . | . | |
| $\chi_{39}^{(105)}$ | . | . | . | . | -B | . | . | . | 2 | . | 2 | . | -B | . | B | -2 | -2 | . | B | . | . | . | . | |
| $\chi_{39}^{(106)}$ | . | . | . | . | B | . | . | . | 2 | . | 2 | . | B | . | -B | -2 | -2 | . | -B | . | . | . | . | |
| $\chi_{39}^{(107)}$ | . | . | . | . | B | . | . | . | -2 | . | -2 | . | B | . | -B | 2 | 2 | . | -B | . | . | . | . | |
| $\chi_{39}^{(108)}$ | . | . | . | . | -B | . | . | . | -2 | . | -2 | . | -B | . | B | 2 | 2 | . | B | . | . | . | . | |
| $\chi_{39}^{(109)}$ | . | . | . | . | B | . | . | . | -2 | . | 2 | . | -B | . | -B | 2 | -2 | . | B | . | . | . | . | |
| $\chi_{39}^{(110)}$ | . | . | . | . | -B | . | . | . | -2 | . | 2 | . | B | . | B | 2 | -2 | . | -B | . | . | . | . | |
| $\chi_{39}^{(111)}$ | . | . | . | . | -B | . | . | . | 2 | . | -2 | . | B | . | B | -2 | 2 | . | -B | . | . | . | . | |
| $\chi_{39}^{(112)}$ | . | . | . | . | B | . | . | . | 2 | . | -2 | . | -B | . | -B | -2 | 2 | . | B | . | . | . | . | |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{39}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(2)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(3)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(4)}$ | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(5)}$ | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(6)}$ | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(7)}$ | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(8)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(9)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(10)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(11)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(12)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(13)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(14)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(15)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(16)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(17)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(18)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(19)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(20)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(21)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(22)}$ | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(23)}$ | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(24)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(25)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(28)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(29)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(30)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(31)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(32)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(33)}$ | -1 | -A | A | -A | A | 1 | -1 | -1 | 1 | A | -A | A | -A | -1 | 1 | -A | 1 | -1 | -A | 1 | -1 | A | 1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(34)}$ | -1 | A | -A | A | -A | 1 | -1 | -1 | 1 | -A | A | -A | A | -1 | 1 | A | 1 | -1 | A | 1 | -1 | A | 1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(35)}$ | -1 | -A | A | -A | A | 1 | -1 | -1 | 1 | A | -A | A | -A | -1 | 1 | -A | 1 | -1 | -A | 1 | -1 | -A | 1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(36)}$ | -1 | A | -A | A | -A | 1 | -1 | -1 | 1 | -A | A | -A | A | -1 | 1 | A | 1 | -1 | A | 1 | -1 | A | 1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(37)}$ | -1 | A | -A | -A | A | -1 | 1 | -1 | 1 | A | -A | -A | A | 1 | 1 | A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(38)}$ | -1 | -A | A | A | -A | -1 | 1 | -1 | 1 | -A | A | A | -A | 1 | 1 | -A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(39)}$ | -1 | A | -A | -A | A | -1 | 1 | -1 | 1 | A | -A | -A | A | 1 | 1 | A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(40)}$ | -1 | -A | A | A | -A | -1 | 1 | -1 | 1 | -A | A | A | -A | 1 | 1 | -A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(41)}$ | 1 | -A | A | A | -A | 1 | -1 | -1 | 1 | A | -A | -A | -A | 1 | -1 | -A | 1 | -1 | A | 1 | -1 | A | 1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(42)}$ | 1 | A | -A | -A | A | 1 | -1 | -1 | 1 | -A | A | A | A | 1 | -1 | A | 1 | -1 | -A | 1 | -1 | -A | 1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(43)}$ | 1 | -A | A | A | -A | 1 | -1 | -1 | 1 | A | -A | -A | -A | 1 | -1 | -A | 1 | -1 | A | 1 | -1 | A | 1 | -1 | A | A | A | A | A | A |
| $\chi_{39}^{(44)}$ | 1 | A | -A | -A | A | 1 | -1 | -1 | 1 | -A | A | A | A | 1 | -1 | A | 1 | -1 | -A | 1 | -1 | -A | 1 | -1 | -A | -A | -A | -A | -A | -A |
| $\chi_{39}^{(45)}$ | 1 | A | -A | A | -A | -1 | 1 | -1 | 1 | A | -A | A | A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | A | A | A | A | A | A |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|
| $\chi_{39}^{(46)}$ | 1 | -A | A | -A | A | -1 | 1 | -1 | 1 | -A | A | -A | -A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(47)}$ | 1 | A | -A | A | -A | -1 | 1 | -1 | 1 | A | -A | A | A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(48)}$ | 1 | -A | A | -A | A | -1 | 1 | -1 | 1 | -A | A | -A | -A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(49)}$ | 1 | A | A | -A | -A | -1 | -1 | -1 | -1 | A | A | -A | A | 1 | 1 | A | -1 | -1 | -A | -1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(50)}$ | 1 | -A | -A | A | A | -1 | -1 | -1 | -1 | -A | -A | A | -A | 1 | 1 | -A | -1 | -1 | A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(51)}$ | 1 | A | A | -A | -A | -1 | -1 | -1 | -1 | A | A | -A | A | 1 | 1 | A | -1 | -1 | -A | -1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(52)}$ | 1 | -A | -A | A | A | -1 | -1 | -1 | -1 | -A | -A | A | -A | 1 | 1 | -A | -1 | -1 | A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(53)}$ | 1 | -A | -A | -A | -A | 1 | 1 | -1 | -1 | A | A | A | -A | -1 | 1 | -A | 1 | -1 | -A | 1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(54)}$ | 1 | A | A | A | A | 1 | 1 | -1 | -1 | -A | -A | -A | A | -1 | 1 | A | 1 | -1 | A | 1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(55)}$ | 1 | -A | -A | -A | -A | 1 | 1 | -1 | -1 | A | A | A | -A | -1 | 1 | -A | 1 | -1 | -A | 1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(56)}$ | 1 | A | A | A | A | 1 | 1 | -1 | -1 | -A | -A | -A | A | -1 | 1 | A | 1 | -1 | A | 1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(57)}$ | -1 | A | A | A | A | -1 | -1 | -1 | -1 | A | A | A | A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(58)}$ | -1 | -A | -A | -A | -A | -1 | -1 | -1 | -1 | -A | -A | -A | -A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(59)}$ | -1 | A | A | A | A | -1 | -1 | -1 | -1 | A | A | A | A | -1 | -1 | A | -1 | -1 | A | -1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(60)}$ | -1 | -A | -A | -A | -A | -1 | -1 | -1 | -1 | -A | -A | -A | -A | -1 | -1 | -A | -1 | -1 | -A | -1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(61)}$ | -1 | -A | -A | A | A | 1 | 1 | -1 | -1 | A | A | -A | -A | 1 | -1 | -A | 1 | -1 | A | 1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(62)}$ | -1 | A | A | -A | -A | 1 | 1 | -1 | -1 | -A | -A | A | A | 1 | -1 | A | 1 | -1 | -A | 1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(63)}$ | -1 | -A | -A | A | A | 1 | 1 | -1 | -1 | A | A | -A | -A | 1 | -1 | -A | 1 | -1 | A | 1 | -1 | A | A | | | | | | | |
| $\chi_{39}^{(64)}$ | -1 | A | A | -A | -A | 1 | 1 | -1 | -1 | -A | -A | A | A | 1 | -1 | A | 1 | -1 | -A | 1 | -1 | -A | -A | | | | | | | |
| $\chi_{39}^{(65)}$ | . | -2 | . | -2 | . | -2 | . | 2 | . | 2 | . | -2 | -2 | -2 | 2 | 2 | -2 | 2 | 2 | 2 | -2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(66)}$ | . | 2 | . | 2 | . | -2 | . | 2 | . | -2 | . | 2 | 2 | -2 | 2 | -2 | -2 | 2 | -2 | 2 | -2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(67)}$ | . | 2 | . | -2 | . | 2 | . | 2 | . | 2 | . | 2 | 2 | 2 | 2 | -2 | 2 | 2 | 2 | -2 | -2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(68)}$ | . | -2 | . | 2 | . | 2 | . | 2 | . | -2 | . | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(69)}$ | . | -2 | . | -2 | . | 2 | . | 2 | . | -2 | . | 2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(70)}$ | . | 2 | . | 2 | . | 2 | . | 2 | . | 2 | . | -2 | 2 | -2 | -2 | -2 | 2 | 2 | -2 | -2 | -2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(71)}$ | . | 2 | . | -2 | . | -2 | . | 2 | . | -2 | . | -2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 | -2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(72)}$ | . | -2 | . | 2 | . | -2 | . | 2 | . | 2 | . | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(73)}$ | . | -2 | . | . | . | -2 | . | 2 | . | 2 | . | . | 2 | . | . | 2 | 2 | -2 | . | 2 | -2 | -2 | -2 | | | | | | | |
| $\chi_{39}^{(74)}$ | . | -2 | . | . | . | -2 | . | 2 | . | 2 | . | . | 2 | . | . | 2 | 2 | -2 | . | 2 | -2 | -2 | -2 | | | | | | | |
| $\chi_{39}^{(75)}$ | . | 2 | . | . | . | -2 | . | 2 | . | -2 | . | . | -2 | . | . | -2 | 2 | -2 | . | 2 | -2 | 2 | 2 | | | | | | | |
| $\chi_{39}^{(76)}$ | . | 2 | . | . | . | -2 | . | 2 | . | -2 | . | . | -2 | . | . | -2 | 2 | -2 | . | 2 | -2 | 2 | 2 | | | | | | | |
| $\chi_{39}^{(77)}$ | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | . | -2 | . | . | -2 | -2 | -2 | . | -2 | -2 | -2 | -2 | | | | | | | |
| $\chi_{39}^{(78)}$ | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | . | -2 | . | . | -2 | -2 | -2 | . | -2 | -2 | -2 | -2 | | | | | | | |
| $\chi_{39}^{(79)}$ | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | . | 2 | . | . | 2 | -2 | -2 | . | -2 | -2 | 2 | 2 | | | | | | | |
| $\chi_{39}^{(80)}$ | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | . | 2 | . | . | 2 | -2 | -2 | . | -2 | -2 | 2 | 2 | | | | | | | |
| $\chi_{39}^{(81)}$ | . | -2 | . | . | . | -2 | . | 2 | . | 2 | . | . | 2 | . | . | -2 | 2 | -2 | . | -2 | 2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(82)}$ | . | -2 | . | . | . | -2 | . | 2 | . | 2 | . | . | 2 | . | . | -2 | 2 | -2 | . | -2 | 2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(83)}$ | . | 2 | . | . | . | -2 | . | 2 | . | -2 | . | . | -2 | . | . | 2 | 2 | -2 | . | -2 | 2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(84)}$ | . | 2 | . | . | . | -2 | . | 2 | . | -2 | . | . | -2 | . | . | 2 | 2 | -2 | . | -2 | 2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(85)}$ | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | . | -2 | . | . | 2 | -2 | -2 | . | 2 | 2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(86)}$ | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | . | -2 | . | . | 2 | -2 | -2 | . | 2 | 2 | -2 | 2 | | | | | | | |
| $\chi_{39}^{(87)}$ | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | . | 2 | . | . | -2 | -2 | -2 | . | 2 | 2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(88)}$ | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | . | 2 | . | . | -2 | -2 | -2 | . | 2 | 2 | 2 | -2 | | | | | | | |
| $\chi_{39}^{(89)}$ | . | B | . | B | . | -2 | . | -2 | . | B | . | -B | B | 2 | 2 | -B | -2 | -2 | -B | 2 | 2 | B | -B | | | | | | | |
| $\chi_{39}^{(90)}$ | . | -B | . | -B | . | -2 | . | -2 | . | -B | . | B | -B | 2 | 2 | B | -2 | -2 | B | 2 | 2 | -B | B | | | | | | | |

| | 60 | | | | | | | | | | 70 | | | | | | | | | | 80 | | | | | | | | | | | | | | | | | | |
|---------------------|----|----|---|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|
| $\chi_{39}^{(91)}$ | . | -B | . | B | . | 2 | . | -2 | . | B | . | B | -B | -2 | 2 | B | 2 | -2 | -B | -2 | 2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(92)}$ | . | B | . | -B | . | 2 | . | -2 | . | -B | . | -B | B | -2 | 2 | -B | 2 | -2 | B | -2 | 2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(93)}$ | . | B | . | B | . | 2 | . | -2 | . | -B | . | B | B | 2 | -2 | -B | 2 | -2 | -B | -2 | 2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(94)}$ | . | -B | . | -B | . | 2 | . | -2 | . | B | . | -B | -B | 2 | -2 | B | 2 | -2 | B | -2 | 2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(95)}$ | . | -B | . | B | . | -2 | . | -2 | . | -B | . | -B | -B | -2 | -2 | B | -2 | -2 | -B | 2 | 2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(96)}$ | . | B | . | -B | . | -2 | . | -2 | . | B | . | B | B | -2 | -2 | -B | -2 | -2 | B | 2 | 2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(97)}$ | . | B | . | . | . | -2 | . | -2 | . | B | . | . | -B | . | . | -B | 2 | 2 | . | 2 | 2 | -B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(98)}$ | . | -B | . | . | . | -2 | . | -2 | . | -B | . | . | B | . | . | B | 2 | 2 | . | 2 | 2 | B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(99)}$ | . | B | . | . | . | -2 | . | -2 | . | B | . | . | -B | . | . | -B | 2 | 2 | . | 2 | 2 | -B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(100)}$ | . | -B | . | . | . | -2 | . | -2 | . | -B | . | . | B | . | . | B | 2 | 2 | . | 2 | 2 | B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(101)}$ | . | -B | . | . | . | 2 | . | -2 | . | B | . | . | B | . | . | B | -2 | 2 | . | -2 | 2 | -B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(102)}$ | . | B | . | . | . | 2 | . | -2 | . | -B | . | . | -B | . | . | -B | -2 | 2 | . | -2 | 2 | B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(103)}$ | . | -B | . | . | . | 2 | . | -2 | . | B | . | . | B | . | . | B | -2 | 2 | . | -2 | 2 | -B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(104)}$ | . | B | . | . | . | 2 | . | -2 | . | -B | . | . | -B | . | . | -B | -2 | 2 | . | -2 | 2 | B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(105)}$ | . | B | . | . | . | -2 | . | -2 | . | B | . | . | -B | . | . | B | 2 | 2 | . | -2 | -2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(106)}$ | . | -B | . | . | . | -2 | . | -2 | . | -B | . | . | B | . | . | -B | 2 | 2 | . | -2 | -2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(107)}$ | . | B | . | . | . | -2 | . | -2 | . | B | . | . | -B | . | . | B | 2 | 2 | . | -2 | -2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(108)}$ | . | -B | . | . | . | -2 | . | -2 | . | -B | . | . | B | . | . | -B | 2 | 2 | . | -2 | -2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(109)}$ | . | -B | . | . | . | 2 | . | -2 | . | B | . | . | B | . | . | -B | -2 | 2 | . | 2 | -2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(110)}$ | . | B | . | . | . | 2 | . | -2 | . | -B | . | . | -B | . | . | B | -2 | 2 | . | 2 | -2 | B | -B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(111)}$ | . | -B | . | . | . | 2 | . | -2 | . | B | . | . | B | . | . | -B | -2 | 2 | . | 2 | -2 | -B | B | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(112)}$ | . | B | . | . | . | 2 | . | -2 | . | -B | . | . | -B | . | . | B | -2 | 2 | . | 2 | -2 | B | -B | | | | | | | | | | | | | | | | |
| | | 90 | | | | | | | | | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\chi_{39}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(2)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | | | | | | | | |
| $\chi_{39}^{(3)}$ | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | | | | | | |
| $\chi_{39}^{(4)}$ | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | | | | | | | | |
| $\chi_{39}^{(5)}$ | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(6)}$ | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(7)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(8)}$ | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(9)}$ | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(10)}$ | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(11)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | | | | | | | | |
| $\chi_{39}^{(12)}$ | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(13)}$ | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(14)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(15)}$ | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(16)}$ | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(17)}$ | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | |
| $\chi_{39}^{(18)}$ | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(19)}$ | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | | | | | | | | |
| $\chi_{39}^{(20)}$ | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | | | | | | | | |

| | 90 | | | | | | | | | | 100 | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{39}^{(21)}$ | -1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{39}^{(22)}$ | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 |
| $\chi_{39}^{(23)}$ | 1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{39}^{(24)}$ | -1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 |
| $\chi_{39}^{(25)}$ | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{39}^{(26)}$ | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(27)}$ | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{39}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{39}^{(29)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{39}^{(30)}$ | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{39}^{(31)}$ | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 |
| $\chi_{39}^{(32)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{39}^{(33)}$ | -A | 1 | -1 | 1 | -1 | A | A | -A | -1 | 1 | -A | A | -1 | -A | 1 | A | -1 | 1 | -A | A | -A | -1 |
| $\chi_{39}^{(34)}$ | A | 1 | -1 | 1 | -1 | -A | -A | A | -1 | 1 | A | -A | -1 | A | 1 | -A | -1 | 1 | A | -A | A | -1 |
| $\chi_{39}^{(35)}$ | -A | 1 | -1 | -1 | 1 | A | -A | A | 1 | -1 | A | -A | 1 | A | -1 | -A | -1 | 1 | -A | A | A | -1 |
| $\chi_{39}^{(36)}$ | A | 1 | -1 | -1 | 1 | -A | A | -A | 1 | -1 | -A | A | 1 | -A | -1 | A | -1 | 1 | A | -A | -A | -1 |
| $\chi_{39}^{(37)}$ | A | -1 | -1 | 1 | -1 | A | -A | A | -1 | 1 | A | -A | -1 | A | 1 | -A | -1 | 1 | A | -A | -A | -1 |
| $\chi_{39}^{(38)}$ | -A | -1 | -1 | 1 | -1 | -A | A | -A | -1 | 1 | -A | A | -1 | -A | 1 | A | -1 | 1 | -A | A | A | -1 |
| $\chi_{39}^{(39)}$ | A | -1 | -1 | -1 | 1 | A | A | -A | 1 | -1 | -A | A | 1 | -A | -1 | A | -1 | 1 | A | -A | A | -1 |
| $\chi_{39}^{(40)}$ | -A | -1 | -1 | -1 | 1 | -A | -A | A | 1 | -1 | A | -A | 1 | A | -1 | -A | -1 | 1 | -A | A | -A | -1 |
| $\chi_{39}^{(41)}$ | -A | 1 | -1 | -1 | 1 | A | -A | A | -1 | 1 | -A | A | -1 | -A | -1 | -A | 1 | -1 | A | -A | A | -1 |
| $\chi_{39}^{(42)}$ | A | 1 | -1 | -1 | 1 | -A | A | -A | -1 | 1 | A | -A | -1 | A | -1 | A | 1 | -1 | -A | A | -A | -1 |
| $\chi_{39}^{(43)}$ | -A | 1 | -1 | 1 | -1 | A | A | -A | 1 | -1 | A | -A | 1 | A | 1 | A | 1 | -1 | A | -A | -A | -1 |
| $\chi_{39}^{(44)}$ | A | 1 | -1 | 1 | -1 | -A | -A | A | 1 | -1 | -A | A | 1 | -A | 1 | -A | 1 | -1 | -A | A | A | -1 |
| $\chi_{39}^{(45)}$ | A | -1 | -1 | -1 | 1 | A | A | -A | -1 | 1 | A | -A | -1 | A | -1 | A | 1 | -1 | -A | A | A | -1 |
| $\chi_{39}^{(46)}$ | -A | -1 | -1 | -1 | 1 | -A | -A | A | -1 | 1 | -A | A | -1 | -A | -1 | -A | 1 | -1 | A | -A | -A | -1 |
| $\chi_{39}^{(47)}$ | A | -1 | -1 | 1 | -1 | A | -A | A | 1 | -1 | -A | A | 1 | -A | 1 | -A | 1 | -1 | -A | A | -A | -1 |
| $\chi_{39}^{(48)}$ | -A | -1 | -1 | 1 | -1 | -A | A | -A | 1 | -1 | A | -A | 1 | A | 1 | A | 1 | -1 | A | -A | A | -1 |
| $\chi_{39}^{(49)}$ | A | -1 | -1 | 1 | 1 | A | -A | -A | -1 | -1 | A | A | -1 | A | 1 | -A | -1 | -1 | A | A | -A | 1 |
| $\chi_{39}^{(50)}$ | -A | -1 | -1 | 1 | 1 | -A | A | A | -1 | -1 | -A | -A | -1 | -A | 1 | A | -1 | -1 | -A | -A | A | 1 |
| $\chi_{39}^{(51)}$ | A | -1 | -1 | -1 | -1 | A | A | A | 1 | 1 | -A | -A | 1 | -A | -1 | A | -1 | -1 | A | A | A | 1 |
| $\chi_{39}^{(52)}$ | -A | -1 | -1 | -1 | -1 | -A | -A | -A | 1 | 1 | A | A | 1 | A | -1 | -A | -1 | -1 | -A | -A | -A | 1 |
| $\chi_{39}^{(53)}$ | -A | 1 | -1 | 1 | 1 | A | A | A | -1 | -1 | -A | -A | -1 | -A | 1 | A | -1 | -1 | -A | -A | -A | 1 |
| $\chi_{39}^{(54)}$ | A | 1 | -1 | 1 | 1 | -A | -A | -A | -1 | -1 | A | A | -1 | A | 1 | -A | -1 | -1 | A | A | A | 1 |
| $\chi_{39}^{(55)}$ | -A | 1 | -1 | -1 | -1 | A | -A | -A | 1 | 1 | A | A | 1 | A | -1 | -A | -1 | -1 | -A | -A | A | 1 |
| $\chi_{39}^{(56)}$ | A | 1 | -1 | -1 | -1 | -A | A | A | 1 | 1 | -A | -A | 1 | -A | -1 | A | -1 | -1 | A | A | -A | 1 |
| $\chi_{39}^{(57)}$ | A | -1 | -1 | -1 | -1 | A | A | A | -1 | -1 | A | A | -1 | A | -1 | A | 1 | 1 | -A | -A | A | 1 |
| $\chi_{39}^{(58)}$ | -A | -1 | -1 | -1 | -1 | -A | -A | -A | -1 | -1 | -A | -A | -1 | -A | -1 | -A | 1 | 1 | A | A | -A | 1 |
| $\chi_{39}^{(59)}$ | A | -1 | -1 | 1 | 1 | A | -A | -A | 1 | 1 | -A | -A | 1 | -A | 1 | -A | 1 | 1 | -A | -A | -A | 1 |
| $\chi_{39}^{(60)}$ | -A | -1 | -1 | 1 | 1 | -A | A | A | 1 | 1 | A | A | 1 | A | 1 | A | 1 | 1 | A | A | A | 1 |
| $\chi_{39}^{(61)}$ | -A | 1 | -1 | -1 | -1 | A | -A | -A | -1 | -1 | -A | -A | -1 | -A | -1 | -A | 1 | 1 | A | A | A | 1 |
| $\chi_{39}^{(62)}$ | A | 1 | -1 | -1 | -1 | -A | A | A | -1 | -1 | A | A | -1 | A | -1 | A | 1 | 1 | -A | -A | -A | 1 |
| $\chi_{39}^{(63)}$ | -A | 1 | -1 | 1 | 1 | A | A | A | 1 | 1 | A | A | 1 | A | 1 | A | 1 | 1 | A | A | -A | 1 |
| $\chi_{39}^{(64)}$ | A | 1 | -1 | 1 | 1 | -A | -A | -A | 1 | 1 | -A | -A | 1 | -A | 1 | -A | 1 | 1 | -A | -A | A | 1 |
| $\chi_{39}^{(65)}$ | 2 | 2 | -2 | . | . | -2 | . | . | . | . | . | . | . | . | . | . | -2 | . | 2 | . | . | |

| | 90 | | | | | | | | | | | | | | 100 | | | | | |
|---------------------|----|----|----|----|---|----|----|---|----|---|----|---|----|----|-----|---|----|---|----|---|
| $\chi_{39}^{(66)}$ | -2 | 2 | -2 | . | . | 2 | . | . | . | . | . | . | . | . | -2 | . | -2 | . | . | . |
| $\chi_{39}^{(67)}$ | -2 | -2 | -2 | . | . | -2 | . | . | . | . | . | . | . | . | -2 | . | -2 | . | . | . |
| $\chi_{39}^{(68)}$ | 2 | -2 | -2 | . | . | 2 | . | . | . | . | . | . | . | . | -2 | . | 2 | . | . | . |
| $\chi_{39}^{(69)}$ | 2 | -2 | -2 | . | . | 2 | . | . | . | . | . | . | . | . | 2 | . | -2 | . | . | . |
| $\chi_{39}^{(70)}$ | -2 | -2 | -2 | . | . | -2 | . | . | . | . | . | . | . | . | 2 | . | 2 | . | . | . |
| $\chi_{39}^{(71)}$ | -2 | 2 | -2 | . | . | 2 | . | . | . | . | . | . | . | . | 2 | . | 2 | . | . | . |
| $\chi_{39}^{(72)}$ | 2 | 2 | -2 | . | . | -2 | . | . | . | . | . | . | . | . | 2 | . | -2 | . | . | . |
| $\chi_{39}^{(73)}$ | -2 | -2 | 2 | 2 | . | 2 | -2 | . | . | . | . | . | . | -2 | 2 | . | . | . | 2 | . |
| $\chi_{39}^{(74)}$ | -2 | -2 | 2 | -2 | . | 2 | 2 | . | . | . | . | . | . | 2 | -2 | . | . | . | -2 | . |
| $\chi_{39}^{(75)}$ | 2 | -2 | 2 | 2 | . | -2 | 2 | . | . | . | . | . | . | -2 | -2 | . | . | . | -2 | . |
| $\chi_{39}^{(76)}$ | 2 | -2 | 2 | -2 | . | -2 | -2 | . | . | . | . | . | . | 2 | 2 | . | . | . | 2 | . |
| $\chi_{39}^{(77)}$ | 2 | 2 | 2 | 2 | . | 2 | 2 | . | . | . | . | . | . | -2 | -2 | . | . | . | 2 | . |
| $\chi_{39}^{(78)}$ | 2 | 2 | 2 | -2 | . | 2 | -2 | . | . | . | . | . | . | 2 | 2 | . | . | . | -2 | . |
| $\chi_{39}^{(79)}$ | -2 | 2 | 2 | 2 | . | -2 | -2 | . | . | . | . | . | . | -2 | 2 | . | . | . | -2 | . |
| $\chi_{39}^{(80)}$ | -2 | 2 | 2 | -2 | . | -2 | 2 | . | . | . | . | . | . | 2 | -2 | . | . | . | 2 | . |
| $\chi_{39}^{(81)}$ | 2 | 2 | -2 | . | . | -2 | . | . | -2 | . | 2 | . | 2 | -2 | . | . | . | . | . | . |
| $\chi_{39}^{(82)}$ | 2 | 2 | -2 | . | . | -2 | . | . | 2 | . | -2 | . | -2 | 2 | . | . | . | . | . | . |
| $\chi_{39}^{(83)}$ | -2 | 2 | -2 | . | . | 2 | . | . | -2 | . | -2 | . | 2 | 2 | . | . | . | . | . | . |
| $\chi_{39}^{(84)}$ | -2 | 2 | -2 | . | . | 2 | . | . | 2 | . | 2 | . | -2 | -2 | . | . | . | . | . | . |
| $\chi_{39}^{(85)}$ | -2 | -2 | -2 | . | . | -2 | . | . | -2 | . | -2 | . | 2 | 2 | . | . | . | . | . | . |
| $\chi_{39}^{(86)}$ | -2 | -2 | -2 | . | . | -2 | . | . | 2 | . | 2 | . | -2 | -2 | . | . | . | . | . | . |
| $\chi_{39}^{(87)}$ | 2 | -2 | -2 | . | . | 2 | . | . | -2 | . | 2 | . | 2 | -2 | . | . | . | . | . | . |
| $\chi_{39}^{(88)}$ | 2 | -2 | -2 | . | . | 2 | . | . | 2 | . | -2 | . | -2 | 2 | . | . | . | . | . | . |
| $\chi_{39}^{(89)}$ | -B | 2 | 2 | . | . | -B | . | . | . | . | . | . | . | . | 2 | . | -B | . | . | . |
| $\chi_{39}^{(90)}$ | B | 2 | 2 | . | . | B | . | . | . | . | . | . | . | . | 2 | . | B | . | . | . |
| $\chi_{39}^{(91)}$ | B | -2 | 2 | . | . | -B | . | . | . | . | . | . | . | . | 2 | . | B | . | . | . |
| $\chi_{39}^{(92)}$ | -B | -2 | 2 | . | . | B | . | . | . | . | . | . | . | . | 2 | . | -B | . | . | . |
| $\chi_{39}^{(93)}$ | -B | -2 | 2 | . | . | B | . | . | . | . | . | . | . | . | -2 | . | B | . | . | . |
| $\chi_{39}^{(94)}$ | B | -2 | 2 | . | . | -B | . | . | . | . | . | . | . | . | -2 | . | -B | . | . | . |
| $\chi_{39}^{(95)}$ | B | 2 | 2 | . | . | B | . | . | . | . | . | . | . | . | -2 | . | -B | . | . | . |
| $\chi_{39}^{(96)}$ | -B | 2 | 2 | . | . | -B | . | . | . | . | . | . | . | . | -2 | . | B | . | . | . |
| $\chi_{39}^{(97)}$ | B | -2 | -2 | -2 | . | B | B | . | . | . | . | . | . | 2 | -B | . | . | . | B | . |
| $\chi_{39}^{(98)}$ | -B | -2 | -2 | -2 | . | -B | -B | . | . | . | . | . | . | 2 | B | . | . | . | -B | . |
| $\chi_{39}^{(99)}$ | B | -2 | -2 | 2 | . | B | -B | . | . | . | . | . | . | -2 | B | . | . | . | -B | . |
| $\chi_{39}^{(100)}$ | -B | -2 | -2 | 2 | . | -B | B | . | . | . | . | . | . | -2 | -B | . | . | . | B | . |

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|--------------------|-----|----|----|----|----|----|----|----|----|----|
| $\chi_{39}^{(31)}$ | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 |
| $\chi_{39}^{(32)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{39}^{(33)}$ | A | -A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(34)}$ | -A | A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(35)}$ | A | -A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(36)}$ | -A | A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(37)}$ | -A | A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(38)}$ | A | -A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(39)}$ | -A | A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(40)}$ | A | -A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(41)}$ | A | -A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(42)}$ | -A | A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(43)}$ | A | -A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(44)}$ | -A | A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(45)}$ | -A | A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(46)}$ | A | -A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(47)}$ | -A | A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(48)}$ | A | -A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(49)}$ | -A | -A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(50)}$ | A | A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(51)}$ | -A | -A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(52)}$ | A | A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(53)}$ | A | A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(54)}$ | -A | -A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(55)}$ | A | A | -1 | 1 | -A | 1 | A | A | 1 | A |
| $\chi_{39}^{(56)}$ | -A | -A | -1 | 1 | A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(57)}$ | -A | -A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(58)}$ | A | A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(59)}$ | -A | -A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(60)}$ | A | A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(61)}$ | A | A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(62)}$ | -A | -A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(63)}$ | A | A | 1 | 1 | A | 1 | A | A | 1 | A |
| $\chi_{39}^{(64)}$ | -A | -A | 1 | 1 | -A | 1 | -A | -A | 1 | -A |
| $\chi_{39}^{(65)}$ | -2 | . | 2 | 2 | -2 | -2 | -2 | 2 | -2 | 2 |
| $\chi_{39}^{(66)}$ | 2 | . | 2 | 2 | 2 | -2 | 2 | -2 | -2 | -2 |
| $\chi_{39}^{(67)}$ | 2 | . | 2 | 2 | 2 | -2 | 2 | -2 | -2 | -2 |
| $\chi_{39}^{(68)}$ | -2 | . | 2 | 2 | -2 | -2 | -2 | 2 | -2 | 2 |
| $\chi_{39}^{(69)}$ | -2 | . | -2 | 2 | 2 | -2 | -2 | 2 | -2 | 2 |
| $\chi_{39}^{(70)}$ | 2 | . | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 |
| $\chi_{39}^{(71)}$ | 2 | . | -2 | 2 | -2 | -2 | 2 | -2 | -2 | -2 |
| $\chi_{39}^{(72)}$ | -2 | . | -2 | 2 | 2 | -2 | -2 | 2 | -2 | 2 |
| $\chi_{39}^{(73)}$ | -2 | . | . | -2 | . | -2 | 2 | 2 | 2 | -2 |
| $\chi_{39}^{(74)}$ | -2 | . | . | -2 | . | -2 | 2 | 2 | 2 | -2 |
| $\chi_{39}^{(75)}$ | 2 | . | . | -2 | . | -2 | -2 | -2 | 2 | 2 |

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|---------------------|-----|---|----|----|----|----|----|----|----|----|
| $\chi_{39}^{(76)}$ | 2 | . | . | -2 | . | -2 | -2 | -2 | 2 | 2 |
| $\chi_{39}^{(77)}$ | 2 | . | . | -2 | . | -2 | -2 | -2 | 2 | 2 |
| $\chi_{39}^{(78)}$ | 2 | . | . | -2 | . | -2 | -2 | -2 | 2 | 2 |
| $\chi_{39}^{(79)}$ | -2 | . | . | -2 | . | -2 | 2 | 2 | 2 | -2 |
| $\chi_{39}^{(80)}$ | -2 | . | . | -2 | . | -2 | 2 | 2 | 2 | -2 |
| $\chi_{39}^{(81)}$ | -2 | . | . | -2 | . | 2 | 2 | -2 | -2 | 2 |
| $\chi_{39}^{(82)}$ | -2 | . | . | -2 | . | 2 | 2 | -2 | -2 | 2 |
| $\chi_{39}^{(83)}$ | 2 | . | . | -2 | . | 2 | -2 | 2 | -2 | -2 |
| $\chi_{39}^{(84)}$ | 2 | . | . | -2 | . | 2 | -2 | 2 | -2 | -2 |
| $\chi_{39}^{(85)}$ | 2 | . | . | -2 | . | 2 | -2 | 2 | -2 | -2 |
| $\chi_{39}^{(86)}$ | 2 | . | . | -2 | . | 2 | -2 | 2 | -2 | -2 |
| $\chi_{39}^{(87)}$ | -2 | . | . | -2 | . | 2 | 2 | -2 | -2 | 2 |
| $\chi_{39}^{(88)}$ | -2 | . | . | -2 | . | 2 | 2 | -2 | -2 | 2 |
| $\chi_{39}^{(89)}$ | -B | . | -2 | 2 | B | -2 | -B | B | -2 | B |
| $\chi_{39}^{(90)}$ | B | . | -2 | 2 | -B | -2 | B | -B | -2 | -B |
| $\chi_{39}^{(91)}$ | B | . | -2 | 2 | -B | -2 | B | -B | -2 | -B |
| $\chi_{39}^{(92)}$ | -B | . | -2 | 2 | B | -2 | -B | B | -2 | B |
| $\chi_{39}^{(93)}$ | -B | . | 2 | 2 | -B | -2 | -B | B | -2 | B |
| $\chi_{39}^{(94)}$ | B | . | 2 | 2 | B | -2 | B | -B | -2 | -B |
| $\chi_{39}^{(95)}$ | B | . | 2 | 2 | B | -2 | B | -B | -2 | -B |
| $\chi_{39}^{(96)}$ | -B | . | 2 | 2 | -B | -2 | -B | B | -2 | B |
| $\chi_{39}^{(97)}$ | -B | . | . | -2 | . | -2 | B | B | 2 | -B |
| $\chi_{39}^{(98)}$ | B | . | . | -2 | . | -2 | -B | -B | 2 | B |
| $\chi_{39}^{(99)}$ | -B | . | . | -2 | . | -2 | B | B | 2 | -B |
| $\chi_{39}^{(100)}$ | B | . | . | -2 | . | -2 | -B | -B | 2 | B |
| $\chi_{39}^{(101)}$ | B | . | . | -2 | . | -2 | -B | -B | 2 | B |
| $\chi_{39}^{(102)}$ | -B | . | . | -2 | . | -2 | B | B | 2 | -B |
| $\chi_{39}^{(103)}$ | B | . | . | -2 | . | -2 | -B | -B | 2 | B |
| $\chi_{39}^{(104)}$ | -B | . | . | -2 | . | -2 | B | B | 2 | -B |
| $\chi_{39}^{(105)}$ | -B | . | . | -2 | . | 2 | B | -B | -2 | B |
| $\chi_{39}^{(106)}$ | B | . | . | -2 | . | 2 | -B | B | -2 | -B |
| $\chi_{39}^{(107)}$ | -B | . | . | -2 | . | 2 | B | -B | -2 | B |
| $\chi_{39}^{(108)}$ | B | . | . | -2 | . | 2 | -B | B | -2 | -B |
| $\chi_{39}^{(109)}$ | B | . | . | -2 | . | 2 | -B | B | -2 | -B |
| $\chi_{39}^{(110)}$ | -B | . | . | -2 | . | 2 | B | -B | -2 | B |
| $\chi_{39}^{(111)}$ | B | . | . | -2 | . | 2 | -B | B | -2 | -B |
| $\chi_{39}^{(112)}$ | -B | . | . | -2 | . | 2 | B | -B | -2 | B |

where $A = -E(4) = -ER(-1) = -i$, $B = -2^*E(4) = -2^*ER(-1) = -2i$.

The generators of $G^{s_{40}}$ are:

$$\left(\begin{array}{cccccccc} 0 & -1 & -1 & 2 & 0 & -1 & 0 & -1 \\ -1 & -2 & 0 & 3 & -1 & -1 & 0 & -1 \\ -1 & -2 & 0 & 3 & 0 & -2 & 0 & -2 \\ -1 & -4 & 0 & 5 & -1 & -2 & 0 & -3 \\ -1 & -3 & 0 & 4 & -1 & -1 & -1 & -2 \\ 0 & -2 & 0 & 3 & -1 & -1 & -1 & -1 \\ 0 & -1 & 0 & 2 & -1 & 0 & -1 & -1 \\ 0 & 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{array} \right), \left(\begin{array}{cccccccc} 0 & 0 & 1 & 0 & -1 & 1 & 0 & -1 \\ 1 & 1 & 0 & 0 & -1 & 1 & 0 & -1 \\ 1 & 0 & 0 & 1 & -2 & 2 & 0 & -2 \\ 1 & 1 & 0 & 1 & -2 & 2 & 0 & -3 \\ 1 & 1 & 0 & 0 & -1 & 2 & 0 & -3 \\ 0 & 1 & 0 & 0 & -1 & 2 & 0 & -2 \\ 0 & 1 & 0 & 0 & -1 & 1 & 1 & -2 \\ 0 & 1 & 0 & 0 & -1 & 1 & 0 & -1 \end{array} \right).$$

The representatives of conjugacy classes of $G^{s_{40}}$ are:

[illegible]

[illegible]

$$\begin{pmatrix} 0 & 1 & 1 & 0 & -2 & 1 & -1 & 1 \\ 1 & 2 & 0 & 0 & -2 & 1 & -2 & 2 \\ 1 & 2 & 0 & 1 & -4 & 2 & -2 & 2 \\ 1 & 4 & 0 & 1 & -5 & 2 & -3 & 3 \\ 1 & 3 & 0 & 1 & -4 & 2 & -3 & 2 \\ 0 & 2 & 0 & 1 & -3 & 2 & -3 & 2 \\ 0 & 2 & 0 & 0 & -2 & 2 & -2 & 1 \\ 0 & 1 & 0 & 0 & -1 & 1 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 2 & -1 & -1 & 0 & 1 & 0 & 0 \\ -1 & 2 & 0 & -2 & 0 & 2 & 0 & 0 \\ -1 & 4 & 0 & -3 & 0 & 2 & 0 & 0 \\ -1 & 5 & 0 & -4 & -1 & 4 & 0 & 0 \\ -1 & 4 & 0 & -3 & -1 & 3 & 1 & -1 \\ 0 & 3 & 0 & -3 & 0 & 2 & 1 & -1 \\ 0 & 2 & 0 & -2 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 0 & 2 & 0 & -2 & 1 & 0 & 0 & 1 \\ 0 & 2 & -1 & -2 & 1 & 1 & 0 & 1 \\ 1 & 3 & -1 & -3 & 1 & 1 & 0 & 2 \\ 0 & 4 & -1 & -4 & 1 & 2 & 0 & 3 \\ 0 & 3 & -1 & -3 & 1 & 1 & 1 & 2 \\ 0 & 2 & 0 & -3 & 1 & 1 & 1 & 1 \\ 0 & 1 & 0 & -2 & 1 & 0 & 1 & 1 \\ 0 & 0 & 0 & -1 & 1 & 0 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} 0 & 2 & 0 & 0 & -1 & 0 & -1 & 1 \\ 0 & 2 & -1 & 1 & -2 & 1 & -2 & 2 \\ 1 & 3 & -1 & 1 & -3 & 1 & -2 & 2 \\ 0 & 4 & -1 & 2 & -5 & 2 & -3 & 3 \\ 0 & 3 & -1 & 2 & -4 & 2 & -3 & 2 \\ 0 & 2 & 0 & 1 & -3 & 2 & -3 & 2 \\ 0 & 2 & 0 & 0 & -2 & 2 & -2 & 1 \\ 0 & 1 & 0 & 0 & -1 & 1 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 1 & -1 & 0 & -1 & 2 & -1 & 1 & -1 \\ 0 & -1 & 0 & -1 & 3 & -2 & 2 & -2 \\ 0 & -2 & 1 & -2 & 4 & -2 & 2 & -2 \\ 0 & -3 & 0 & -2 & 6 & -3 & 3 & -3 \\ 0 & -2 & 0 & -2 & 5 & -3 & 3 & -2 \\ 0 & -2 & 0 & -1 & 3 & -2 & 3 & -2 \\ 0 & -2 & 0 & 0 & 2 & -2 & 2 & -1 \\ 0 & -1 & 0 & 0 & 1 & -1 & 1 & 0 \end{pmatrix}, \begin{pmatrix} 1 & -1 & 0 & 1 & 0 & -1 & 0 & -1 \\ 0 & -1 & 0 & 2 & 0 & -2 & 0 & -1 \\ 0 & -2 & 1 & 2 & 0 & -2 & 0 & -2 \\ 0 & -3 & 0 & 4 & 0 & -3 & 0 & -3 \\ 0 & -2 & 0 & 3 & 0 & -2 & -1 & -2 \\ 0 & -2 & 0 & 3 & -1 & -1 & -1 & -1 \\ 0 & -1 & 0 & 2 & -1 & 0 & -1 & -1 \\ 0 & 0 & 0 & 1 & -1 & 0 & 0 & -1 \end{pmatrix}, \\
\begin{pmatrix} 1 & 0 & 0 & -1 & 1 & -1 & 0 & 1 \\ 0 & 0 & 0 & -1 & 2 & -2 & 0 & 1 \\ 0 & 0 & 1 & -2 & 2 & -2 & 0 & 2 \\ 0 & 0 & 0 & -2 & 3 & -3 & 0 & 3 \\ 0 & 0 & 0 & -1 & 2 & -3 & 0 & 3 \\ 0 & -1 & 0 & 0 & 1 & -2 & 0 & 2 \\ 0 & -1 & 0 & 0 & 1 & -1 & -1 & 2 \\ 0 & -1 & 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & -1 & 1 & 1 & -2 & 0 \\ 0 & 0 & 0 & -1 & 2 & 1 & -3 & 0 \\ 0 & 0 & 1 & -2 & 2 & 2 & -4 & 0 \\ 0 & 0 & 0 & -2 & 3 & 3 & -6 & 0 \\ 0 & 1 & 0 & -2 & 2 & 3 & -5 & 0 \\ 0 & 0 & 0 & -1 & 1 & 3 & -4 & 0 \\ 0 & 0 & 0 & -1 & 1 & 2 & -2 & -1 \\ 0 & 0 & 0 & 0 & 0 & 1 & -1 & -1 \end{pmatrix}, \begin{pmatrix} -1 & -2 & 0 & 2 & 0 & -1 & 0 & 0 \\ 0 & -3 & 0 & 3 & -1 & -1 & 0 & 0 \\ 0 & -4 & -1 & 4 & 0 & -2 & 0 & 0 \\ 0 & -6 & 0 & 5 & 0 & -3 & 0 & 0 \\ 0 & -5 & 0 & 4 & 0 & -2 & -1 & 1 \\ 0 & -3 & 0 & 3 & 0 & -2 & -1 & 1 \\ 0 & -2 & 0 & 2 & 0 & -1 & -1 & 1 \\ 0 & -1 & 0 & 1 & 0 & -1 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} 1 & 1 & 0 & 0 & -1 & -1 & 2 & -1 \\ 0 & 2 & 0 & 0 & -1 & -2 & 3 & -1 \\ 0 & 2 & 1 & 0 & -2 & -2 & 4 & -2 \\ 0 & 3 & 0 & 1 & -3 & -3 & 6 & -3 \\ 0 & 2 & 0 & 1 & -2 & -3 & 5 & -3 \\ 0 & 1 & 0 & 1 & -2 & -2 & 4 & -2 \\ 0 & 1 & 0 & 1 & -2 & -1 & 2 & -1 \\ 0 & 1 & 0 & 0 & -1 & 0 & 1 & -1 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & 0 & -1 & 0 & -1 & 2 \\ 0 & 2 & 0 & 0 & -1 & 0 & -2 & 3 \\ 0 & 2 & 1 & 0 & -2 & 0 & -2 & 4 \\ 0 & 3 & 0 & 1 & -3 & 0 & -3 & 6 \\ 0 & 2 & 0 & 1 & -2 & 0 & -3 & 5 \\ 0 & 1 & 0 & 1 & -2 & 1 & -3 & 4 \\ 0 & 1 & 0 & 0 & -1 & 1 & -2 & 3 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 2 \end{pmatrix}, \begin{pmatrix} 1 & 2 & 0 & -2 & 0 & 1 & 0 & 0 \\ 0 & 3 & 0 & -3 & 1 & 1 & 0 & 0 \\ 0 & 4 & 1 & -4 & 0 & 2 & 0 & 0 \\ 0 & 6 & 0 & -5 & 0 & 3 & 0 & 0 \\ 0 & 5 & 0 & -4 & 0 & 2 & 1 & -1 \\ 0 & 3 & 0 & -3 & 0 & 2 & 1 & -1 \\ 0 & 2 & 0 & -2 & 0 & 1 & 1 & -1 \\ 0 & 1 & 0 & -1 & 0 & 1 & 0 & -1 \end{pmatrix}.
\end{pmatrix}$$

The character table of $G^{s_{40}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|-----|----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\chi_{40}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(2)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(3)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 |
| $\chi_{40}^{(4)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{40}^{(5)}$ | 1 | 1 | -A | -1 | -A | -1 | A | 1 | -1 | -A | A | -1 | -A | 1 | A | 1 | A | 1 | -A | 1 | A | -A |
| $\chi_{40}^{(6)}$ | 1 | 1 | A | -1 | A | -1 | -A | 1 | -1 | A | -A | -1 | A | 1 | -A | 1 | -A | 1 | A | 1 | -A | A |
| $\chi_{40}^{(7)}$ | 1 | -1 | A | 1 | A | 1 | -A | -1 | -1 | -A | -A | -1 | -A | 1 | A | 1 | -A | -1 | A | 1 | A | -1 |
| $\chi_{40}^{(8)}$ | 1 | -1 | -A | 1 | -A | 1 | A | -1 | -1 | A | A | -1 | A | 1 | -A | 1 | A | -1 | -A | 1 | -A | -A |
| $\chi_{40}^{(9)}$ | 1 | A | B | 1 | -B | -1 | /B | -A | -A | /B | -/B | -A | /B | -1 | -B | 1 | -/B | A | B | -1 | -B | B |
| $\chi_{40}^{(10)}$ | 1 | A | -B | 1 | B | -1 | -/B | -A | -A | -/B | /B | -A | -/B | -1 | B | 1 | /B | A | -B | -1 | B | -B |
| $\chi_{40}^{(11)}$ | 1 | -A | -/B | 1 | /B | -1 | -B | A | A | -B | B | A | -B | -1 | /B | 1 | B | -A | -/B | -1 | /B | -/B |
| $\chi_{40}^{(12)}$ | 1 | -A | /B | 1 | -/B | -1 | B | A | A | B | -B | A | B | -1 | -/B | 1 | -B | -A | /B | -1 | -/B | /B |
| $\chi_{40}^{(13)}$ | 1 | -A | -B | -1 | B | 1 | -/B | A | -A | /B | /B | -A | /B | -1 | -B | 1 | /B | -A | -B | -1 | -B | -B |
| $\chi_{40}^{(14)}$ | 1 | -A | B | -1 | -B | 1 | /B | A | -A | -/B | -/B | -A | -/B | -1 | B | 1 | -/B | -A | B | -1 | B | B |
| $\chi_{40}^{(15)}$ | 1 | A | /B | -1 | -/B | 1 | B | -A | A | -B | -B | A | -B | -1 | /B | 1 | -B | A | /B | -1 | /B | /B |
| $\chi_{40}^{(16)}$ | 1 | A | -/B | -1 | /B | 1 | -B | -A | A | B | B | A | B | -1 | -/B | 1 | B | A | -/B | -1 | -/B | -/B |
| $\chi_{40}^{(17)}$ | 1 | 1 | -A | -1 | -A | -1 | A | 1 | C | D | /D | /C | -/D | -C | -D | -C | -D | -/C | -/D | -/C | /D | -C |
| $\chi_{40}^{(18)}$ | 1 | 1 | A | -1 | A | -1 | -A | 1 | C | -D | -/D | /C | /D | -C | D | -C | D | -/C | /D | -/C | -/D | -C |
| $\chi_{40}^{(19)}$ | 1 | 1 | -A | -1 | -A | -1 | A | 1 | /C | -/D | -D | C | D | -/C | /D | -/C | /D | -C | D | -C | -D | -/C |
| $\chi_{40}^{(20)}$ | 1 | 1 | A | -1 | A | -1 | -A | 1 | /C | /D | D | C | -D | -/C | -/D | -/C | -/D | -C | -D | -C | D | -/C |
| $\chi_{40}^{(21)}$ | 1 | -1 | A | 1 | A | 1 | -A | -1 | C | D | -/D | /C | -/D | -C | -D | -C | D | /C | /D | -/C | /D | -C |
| $\chi_{40}^{(22)}$ | 1 | -1 | -A | 1 | -A | 1 | A | -1 | C | -D | /D | /C | /D | -C | D | -C | -D | /C | -/D | -/C | -/D | C |
| $\chi_{40}^{(23)}$ | 1 | -1 | A | 1 | A | 1 | -A | -1 | /C | -/D | D | C | D | -/C | /D | -/C | -/D | C | -D | -C | -D | /C |
| $\chi_{40}^{(24)}$ | 1 | -1 | -A | 1 | -A | 1 | A | -1 | /C | /D | -D | C | -D | -/C | -/D | -/C | /D | C | D | -C | D | -/C |
| $\chi_{40}^{(25)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -C | C | -/C | -/C | /C | -C | C | -C | -C | /C | -/C | -/C | /C | -C |
| $\chi_{40}^{(26)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -/C | /C | -C | -C | C | -/C | /C | -/C | -/C | C | -C | -C | C | -/C |
| $\chi_{40}^{(27)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -C | C | /C | -/C | /C | -C | C | -C | C | -/C | /C | -/C | /C | -C |
| $\chi_{40}^{(28)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -/C | /C | C | -C | C | -/C | /C | -/C | /C | -C | C | -C | C | -/C |
| $\chi_{40}^{(29)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -C | -C | /C | -/C | -/C | -C | -C | -C | C | /C | /C | -/C | -/C | C |
| $\chi_{40}^{(30)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -/C | -/C | C | -C | -C | -/C | -/C | -/C | /C | C | C | -C | -C | /C |
| $\chi_{40}^{(31)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -C | -C | -/C | -/C | -/C | -C | -C | -C | -C | -/C | -/C | -/C | -/C | -C |
| $\chi_{40}^{(32)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -/C | -/C | -C | -C | -C | -/C | -/C | -/C | -/C | -C | -C | -C | -C | -/C |
| $\chi_{40}^{(33)}$ | 1 | A | B | 1 | -B | -1 | /B | -A | D | E | /F | -/D | -/F | C | F | -C | -E | /D | /E | /C | -/E | -D |
| $\chi_{40}^{(34)}$ | 1 | A | -B | 1 | B | -1 | -/B | -A | D | -E | -/F | -/D | /F | C | -F | -C | E | /D | -/E | /C | /E | -D |
| $\chi_{40}^{(35)}$ | 1 | -A | -/B | 1 | /B | -1 | -B | A | -D | F | /E | /D | -/E | C | E | -C | -F | -/D | /F | /C | -/F | D |
| $\chi_{40}^{(36)}$ | 1 | -A | /B | 1 | -/B | -1 | B | A | -D | -F | -/E | /D | /E | C | -E | -C | F | -/D | -/F | /C | /F | D |
| $\chi_{40}^{(37)}$ | 1 | A | B | 1 | -B | -1 | /B | -A | -/D | -/F | -E | D | E | /C | -/E | -/C | /F | -D | -F | C | F | -D |
| $\chi_{40}^{(38)}$ | 1 | A | -B | 1 | B | -1 | -/B | -A | -/D | /F | E | D | -E | /C | /E | -/C | -/F | -D | F | C | -F | -D |
| $\chi_{40}^{(39)}$ | 1 | -A | -/B | 1 | /B | -1 | -B | A | /D | -/E | -F | -D | F | /C | -/F | -/C | /E | D | -E | C | E | -D |
| $\chi_{40}^{(40)}$ | 1 | -A | /B | 1 | -/B | -1 | B | A | /D | /E | F | -D | -F | /C | /F | -/C | -/E | D | E | C | -E | -D |
| $\chi_{40}^{(41)}$ | 1 | -A | -B | -1 | B | 1 | -/B | A | D | E | -/F | -/D | -/F | C | F | -C | E | -/D | -/E | /C | -/E | D |
| $\chi_{40}^{(42)}$ | 1 | -A | B | -1 | -B | 1 | /B | A | D | -E | /F | -/D | /F | C | -F | -C | -E | -/D | /E | /C | /E | -D |
| $\chi_{40}^{(43)}$ | 1 | A | /B | -1 | -/B | 1 | B | -A | -D | F | -/E | /D | -/E | C | E | -C | F | /D | -/F | /C | -/F | -D |
| $\chi_{40}^{(44)}$ | 1 | A | -/B | -1 | /B | 1 | -B | -A | -D | -F | /E | /D | /E | C | -E | -C | -F | /D | /F | /C | /F | -D |
| $\chi_{40}^{(45)}$ | 1 | -A | -B | -1 | B | 1 | -/B | A | -/D | -/F | E | D | E | /C | -/E | -/C | -/F | D | F | C | F | -D |
| $\chi_{40}^{(46)}$ | 1 | -A | B | -1 | -B | 1 | /B | A | -/D | /F | -E | D | -E | /C | /E | -/C | /F | D | -F | C | -F | -D |
| $\chi_{40}^{(47)}$ | 1 | A | /B | -1 | -/B | 1 | B | -A | /D | -/E | F | -D | F | /C | -/F | -/C | -/E | -D | E | C | E | -D |
| $\chi_{40}^{(48)}$ | 1 | A | -/B | -1 | /B | 1 | -B | -A | /D | /E | -F | -D | -F | /C | /F | -/C | /E | -D | -E | C | -E | -D |

| | 30 | | | | | | | | | | 40 | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|
| $\chi_{40}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(2)}$ | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(3)}$ | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{40}^{(4)}$ | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | 1 |
| $\chi_{40}^{(5)}$ | A | -1 | -1 | -A | -1 | A | -1 | -A | -1 | -A | -1 | A | 1 | -A | A | 1 | -1 | -A | 1 | A |
| $\chi_{40}^{(6)}$ | -A | -1 | -1 | A | -1 | -A | -1 | A | -1 | A | -1 | -A | 1 | A | -A | 1 | -1 | A | 1 | -A |
| $\chi_{40}^{(7)}$ | A | -1 | 1 | A | 1 | A | -1 | -A | 1 | A | 1 | -A | -1 | -A | -A | -1 | -1 | -A | 1 | A |
| $\chi_{40}^{(8)}$ | -A | -1 | 1 | -A | 1 | -A | -1 | A | 1 | -A | 1 | A | -1 | A | A | -1 | -1 | A | 1 | -A |
| $\chi_{40}^{(9)}$ | B | A | 1 | -B | -1 | B | A | -/B | 1 | -B | -1 | /B | -A | -/B | /B | -A | -A | /B | -1 | -B |
| $\chi_{40}^{(10)}$ | -B | A | 1 | B | -1 | -B | A | /B | 1 | B | -1 | -/B | -A | /B | -/B | -A | -A | -/B | -1 | B |
| $\chi_{40}^{(11)}$ | -/B | -A | 1 | /B | -1 | -/B | -A | B | 1 | /B | -1 | -B | A | B | -B | A | A | -B | -1 | /B |
| $\chi_{40}^{(12)}$ | /B | -A | 1 | -/B | -1 | /B | -A | -B | 1 | -/B | -1 | B | A | -B | B | A | A | B | -1 | -/B |
| $\chi_{40}^{(13)}$ | B | A | -1 | B | 1 | B | A | -/B | -1 | B | 1 | -/B | A | -/B | -/B | A | -A | /B | -1 | -B |
| $\chi_{40}^{(14)}$ | -B | A | -1 | -B | 1 | -B | A | /B | -1 | -B | 1 | /B | A | /B | /B | A | -A | -/B | -1 | B |
| $\chi_{40}^{(15)}$ | -/B | -A | -1 | -/B | 1 | -/B | -A | B | -1 | -/B | 1 | B | -A | B | B | -A | A | -B | -1 | /B |
| $\chi_{40}^{(16)}$ | /B | -A | -1 | /B | 1 | /B | -A | -B | -1 | /B | 1 | -B | -A | -B | -B | -A | A | B | -1 | -/B |
| $\chi_{40}^{(17)}$ | -D | C | /C | -/D | /C | /D | /C | D | C | D | C | /D | -/C | -/D | -D | -C | -1 | -A | 1 | A |
| $\chi_{40}^{(18)}$ | D | C | /C | /D | /C | -/D | /C | -D | C | -D | C | -/D | -/C | /D | D | -C | -1 | A | 1 | -A |
| $\chi_{40}^{(19)}$ | /D | /C | C | D | C | -D | C | -/D | /C | -/D | /C | -D | -C | D | /D | -/C | -1 | -A | 1 | A |
| $\chi_{40}^{(20)}$ | -/D | /C | C | -D | C | D | C | /D | /C | /D | /C | D | -C | -D | -/D | -/C | -1 | A | 1 | -A |
| $\chi_{40}^{(21)}$ | -D | C | -/C | /D | -/C | /D | /C | D | -C | -D | -C | -/D | /C | -/D | D | C | -1 | -A | 1 | A |
| $\chi_{40}^{(22)}$ | D | C | -/C | -/D | -/C | -/D | /C | -D | -C | D | -C | /D | /C | /D | -D | C | -1 | A | 1 | -A |
| $\chi_{40}^{(23)}$ | /D | /C | -C | -D | -C | -D | C | -/D | -/C | /D | -/C | D | C | D | -/D | /C | -1 | -A | 1 | A |
| $\chi_{40}^{(24)}$ | -/D | /C | -C | D | -C | D | C | /D | -/C | -/D | -/C | -D | C | -D | /D | /C | -1 | A | 1 | -A |
| $\chi_{40}^{(25)}$ | C | -C | /C | -/C | /C | /C | -/C | C | C | -C | C | -/C | /C | /C | -C | C | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(26)}$ | /C | -/C | C | -C | C | C | -C | /C | /C | -/C | /C | -C | C | C | -/C | /C | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(27)}$ | C | -C | -/C | /C | -/C | /C | -/C | C | -C | C | -C | /C | -/C | /C | C | -C | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(28)}$ | /C | -/C | -C | C | -C | C | -C | /C | -/C | /C | -/C | C | -C | C | /C | -/C | 1 | -1 | 1 | -1 |
| $\chi_{40}^{(29)}$ | -C | -C | /C | /C | /C | -/C | -/C | -C | C | C | C | /C | /C | -/C | C | C | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(30)}$ | -/C | -/C | C | C | C | -C | -C | -/C | /C | /C | /C | C | C | -C | /C | /C | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(31)}$ | -C | -C | -/C | -/C | -/C | -/C | -C | -C | -C | -C | -C | -/C | -/C | -/C | -C | -C | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(32)}$ | -/C | -/C | -C | -C | -C | -C | -C | -/C | -/C | -/C | -/C | -C | -C | -C | -/C | -/C | 1 | 1 | 1 | 1 |
| $\chi_{40}^{(33)}$ | -F | -D | -/C | -/E | /C | /E | /D | -E | -C | F | C | -/F | -/D | /F | E | D | -A | /B | -1 | -B |
| $\chi_{40}^{(34)}$ | F | -D | -/C | /E | /C | -/E | /D | E | -C | -F | C | /F | -/D | -/F | -E | D | -A | -/B | -1 | B |
| $\chi_{40}^{(35)}$ | -E | D | -/C | -/F | /C | /F | -/D | -F | -C | E | C | -/E | /D | /E | F | -D | A | -B | -1 | /B |
| $\chi_{40}^{(36)}$ | E | D | -/C | /F | /C | -/F | -/D | F | -C | -E | C | /E | /D | -/E | -F | -D | A | B | -1 | -/B |
| $\chi_{40}^{(37)}$ | /E | /D | -C | F | C | -F | -D | /F | -/C | -/E | /C | E | D | -E | -/F | -/D | -A | /B | -1 | -B |
| $\chi_{40}^{(38)}$ | -/E | /D | -C | -F | C | F | -D | -/F | -/C | /E | /C | -E | D | E | /F | -/D | -A | -/B | -1 | B |
| $\chi_{40}^{(39)}$ | /F | -/D | -C | E | C | -E | D | /E | -/C | -/F | /C | F | -D | -F | -/E | /D | A | -B | -1 | /B |
| $\chi_{40}^{(40)}$ | -/F | -/D | -C | -E | C | E | D | -/E | -/C | /F | /C | -F | -D | F | /E | /D | A | B | -1 | -/B |
| $\chi_{40}^{(41)}$ | -F | -D | /C | /E | -/C | /E | /D | -E | C | -F | -C | /F | /D | /F | -E | -D | -A | /B | -1 | -B |
| $\chi_{40}^{(42)}$ | F | -D | /C | -/E | -/C | -/E | /D | E | C | F | -C | -/F | /D | -/F | E | -D | -A | -/B | -1 | B |
| $\chi_{40}^{(43)}$ | -E | D | /C | /F | -/C | /F | -/D | -F | C | -E | -C | /E | -/D | /E | -F | D | A | -B | -1 | /B |
| $\chi_{40}^{(44)}$ | E | D | /C | -/F | -/C | -/F | -/D | F | C | E | -C | -/E | -/D | -/E | F | D | A | B | -1 | -/B |
| $\chi_{40}^{(45)}$ | /E | /D | C | -F | -C | -F | -D | /F | /C | /E | -/C | -E | -D | -E | /F | /D | -A | /B | -1 | -B |
| $\chi_{40}^{(46)}$ | -/E | /D | C | F | -C | F | -D | -/F | /C | -/E | -/C | E | -D | E | -/F | /D | -A | -/B | -1 | B |
| $\chi_{40}^{(47)}$ | /F | -/D | C | -E | -C | -E | D | /E | /C | /F | -/C | -F | D | -F | /E | -/D | A | -B | -1 | /B |
| $\chi_{40}^{(48)}$ | -/F | -/D | C | E | -C | E | D | -/E | /C | -/F | -/C | F | D | F | -/E | -/D | A | B | -1 | -/B |

| | |
|--------------------|-----|
| $\chi_{40}^{(1)}$ | 1 |
| $\chi_{40}^{(2)}$ | -1 |
| $\chi_{40}^{(3)}$ | -1 |
| $\chi_{40}^{(4)}$ | 1 |
| $\chi_{40}^{(5)}$ | -A |
| $\chi_{40}^{(6)}$ | A |
| $\chi_{40}^{(7)}$ | -A |
| $\chi_{40}^{(8)}$ | A |
| $\chi_{40}^{(9)}$ | -/B |
| $\chi_{40}^{(10)}$ | /B |
| $\chi_{40}^{(11)}$ | B |
| $\chi_{40}^{(12)}$ | -B |
| $\chi_{40}^{(13)}$ | -/B |
| $\chi_{40}^{(14)}$ | /B |
| $\chi_{40}^{(15)}$ | B |
| $\chi_{40}^{(16)}$ | -B |
| $\chi_{40}^{(17)}$ | -A |
| $\chi_{40}^{(18)}$ | A |
| $\chi_{40}^{(19)}$ | -A |
| $\chi_{40}^{(20)}$ | A |
| $\chi_{40}^{(21)}$ | -A |
| $\chi_{40}^{(22)}$ | A |
| $\chi_{40}^{(23)}$ | -A |
| $\chi_{40}^{(24)}$ | A |
| $\chi_{40}^{(25)}$ | -1 |
| $\chi_{40}^{(26)}$ | -1 |
| $\chi_{40}^{(27)}$ | -1 |
| $\chi_{40}^{(28)}$ | -1 |
| $\chi_{40}^{(29)}$ | 1 |
| $\chi_{40}^{(30)}$ | 1 |
| $\chi_{40}^{(31)}$ | 1 |
| $\chi_{40}^{(32)}$ | 1 |
| $\chi_{40}^{(33)}$ | -/B |
| $\chi_{40}^{(34)}$ | /B |
| $\chi_{40}^{(35)}$ | B |
| $\chi_{40}^{(36)}$ | -B |
| $\chi_{40}^{(37)}$ | -/B |
| $\chi_{40}^{(38)}$ | /B |
| $\chi_{40}^{(39)}$ | B |
| $\chi_{40}^{(40)}$ | -B |
| $\chi_{40}^{(41)}$ | -/B |
| $\chi_{40}^{(42)}$ | /B |
| $\chi_{40}^{(43)}$ | B |
| $\chi_{40}^{(44)}$ | -B |
| $\chi_{40}^{(45)}$ | -/B |
| $\chi_{40}^{(46)}$ | /B |
| $\chi_{40}^{(47)}$ | B |
| $\chi_{40}^{(48)}$ | -B |

The generators of $G^{s_{41}}$ are:

The representatives of conjugacy classes of $G^{s_{41}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 0 & 1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 & -1 & 1 & 0 & 0 \\ -1 & -1 & 1 & 1 & -1 & 1 & 0 & 0 \\ 0 & -1 & 1 & 1 & -1 & 1 & 0 & 0 \\ 0 & -1 & 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 0 & 0 & -1 & 1 & 0 & 0 & 0 & 0 \\ -1 & 0 & 0 & 1 & -1 & 1 & 0 & 0 \\ -1 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ -1 & -1 & 0 & 2 & -1 & 1 & 0 & 0 \\ -1 & -1 & 0 & 1 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix},$$

[illegible]

[illegible]

The character table of $G^{s_{41}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|----|-----|----|-----|-----|-----|----|----|-----|-----|----|-----|-----|----|----|----|-----|-----|-----|----|
| $\chi_{41}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{41}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{41}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{41}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{41}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{41}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{41}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{41}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{41}^{(9)}$ | 1 | A | /A | /A | 1 | A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(10)}$ | 1 | A | /A | /A | 1 | A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(11)}$ | 1 | /A | A | A | 1 | /A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(12)}$ | 1 | /A | A | A | 1 | /A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(13)}$ | 1 | A | /A | /A | 1 | A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(14)}$ | 1 | A | /A | /A | 1 | A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(15)}$ | 1 | /A | A | A | 1 | /A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(16)}$ | 1 | /A | A | A | 1 | /A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(17)}$ | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(18)}$ | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(19)}$ | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(20)}$ | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(21)}$ | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(22)}$ | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(23)}$ | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | 1 | A | /A | /A |
| $\chi_{41}^{(24)}$ | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | 1 | /A | A | /A |
| $\chi_{41}^{(25)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{41}^{(26)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{41}^{(27)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 |
| $\chi_{41}^{(28)}$ | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 |
| $\chi_{41}^{(29)}$ | 2 | B | /B | /B | 2 | B | B | /B | 2 | 2 | B | /B | 2 | B | /B | B | /B | 2 | -1 | -A | -/A | -A |
| $\chi_{41}^{(30)}$ | 2 | /B | B | B | 2 | /B | /B | B | 2 | 2 | /B | B | 2 | /B | B | /B | B | 2 | -1 | -/A | -A | -A |
| $\chi_{41}^{(31)}$ | 2 | B | /B | /B | 2 | B | B | /B | 2 | 2 | B | /B | 2 | B | /B | B | /B | 2 | -1 | -A | -/A | -A |
| $\chi_{41}^{(32)}$ | 2 | /B | B | B | 2 | /B | /B | B | 2 | 2 | /B | B | 2 | /B | B | /B | B | 2 | -1 | -/A | -A | -A |
| $\chi_{41}^{(33)}$ | 2 | B | /B | /B | 2 | B | -B | -/B | -2 | -2 | -B | -/B | -2 | -B | -/B | B | /B | 2 | -1 | -A | -/A | -A |
| $\chi_{41}^{(34)}$ | 2 | /B | B | B | 2 | /B | -/B | -B | -2 | -2 | -/B | -B | -2 | -/B | -B | /B | B | 2 | -1 | -/A | -A | -A |
| $\chi_{41}^{(35)}$ | 2 | B | /B | /B | 2 | B | -B | -/B | -2 | -2 | -B | -/B | -2 | -B | -/B | B | /B | 2 | -1 | -A | -/A | -A |
| $\chi_{41}^{(36)}$ | 2 | /B | B | B | 2 | /B | -/B | -B | -2 | -2 | -/B | -B | -2 | -/B | -B | /B | B | 2 | -1 | -/A | -A | -A |
| $\chi_{41}^{(37)}$ | 2 | 2 | 2 | -2 | -2 | -2 | E | E | E | -E | -E | -E | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{41}^{(38)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -E | -E | -E | E | E | E | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{41}^{(39)}$ | 2 | 2 | 2 | -2 | -2 | -2 | E | E | E | -E | -E | -E | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{41}^{(40)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -E | -E | -E | E | E | E | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{41}^{(41)}$ | 2 | B | /B | -/B | -2 | -B | F | -/F | E | -E | -F | /F | . | . | . | . | . | -1 | -A | -/A | /A | 1 |
| $\chi_{41}^{(42)}$ | 2 | B | /B | -/B | -2 | -B | -F | /F | -E | E | F | -/F | . | . | . | . | . | -1 | -A | -/A | /A | 1 |
| $\chi_{41}^{(43)}$ | 2 | /B | B | -B | -2 | -/B | -/F | F | E | -E | /F | -F | . | . | . | . | . | -1 | -/A | -A | A | 1 |
| $\chi_{41}^{(44)}$ | 2 | /B | B | -B | -2 | -/B | /F | -F | -E | E | -/F | F | . | . | . | . | . | -1 | -/A | -A | A | 1 |
| $\chi_{41}^{(45)}$ | 2 | B | /B | -/B | -2 | -B | F | -/F | E | -E | -F | /F | . | . | . | . | . | -1 | -A | -/A | /A | 1 |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | | |
|--------------------|----|----|----|-----|----|-----|-----|-----|----|----|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|----|-----|-----|
| $\chi_{41}^{(46)}$ | 2 | B | /B | -/B | -2 | -B | -F | /F | -E | E | F | -/F | . | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | -J |
| $\chi_{41}^{(47)}$ | 2 | /B | B | -B | -2 | -/B | -/F | F | E | -E | /F | -F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | -/J |
| $\chi_{41}^{(48)}$ | 2 | /B | B | -B | -2 | -/B | /F | -F | -E | E | -/F | F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | /J |
| $\chi_{41}^{(49)}$ | 2 | 2 | 2 | -2 | -2 | -2 | E | E | E | -E | -E | -E | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | I |
| $\chi_{41}^{(50)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -E | -E | -E | E | E | E | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | -I |
| $\chi_{41}^{(51)}$ | 2 | 2 | 2 | -2 | -2 | -2 | E | E | E | -E | -E | -E | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | I |
| $\chi_{41}^{(52)}$ | 2 | 2 | 2 | -2 | -2 | -2 | -E | -E | -E | E | E | E | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | -I |
| $\chi_{41}^{(53)}$ | 2 | B | /B | -/B | -2 | -B | F | -/F | E | -E | -F | /F | . | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | J |
| $\chi_{41}^{(54)}$ | 2 | B | /B | -/B | -2 | -B | -F | /F | -E | E | F | -/F | . | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | -J |
| $\chi_{41}^{(55)}$ | 2 | /B | B | -B | -2 | -/B | -/F | F | E | -E | /F | -F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | -/J |
| $\chi_{41}^{(56)}$ | 2 | /B | B | -B | -2 | -/B | /F | -F | -E | E | -/F | F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | /J |
| $\chi_{41}^{(57)}$ | 2 | B | /B | -/B | -2 | -B | F | -/F | E | -E | -F | /F | . | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | J |
| $\chi_{41}^{(58)}$ | 2 | B | /B | -/B | -2 | -B | -F | /F | -E | E | F | -/F | . | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | -J |
| $\chi_{41}^{(59)}$ | 2 | /B | B | -B | -2 | -/B | -/F | F | E | -E | /F | -F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | -/J |
| $\chi_{41}^{(60)}$ | 2 | /B | B | -B | -2 | -/B | /F | -F | -E | E | -/F | F | . | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | /J |
| $\chi_{41}^{(61)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(62)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(63)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(64)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(65)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(66)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(67)}$ | 3 | C | /C | /C | 3 | C | -C | -/C | -3 | -3 | -C | -/C | 1 | A | /A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(68)}$ | 3 | C | /C | /C | 3 | C | -C | -/C | -3 | -3 | -C | -/C | 1 | A | /A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(69)}$ | 3 | /C | C | C | 3 | /C | -/C | -C | -3 | -3 | -/C | -C | 1 | /A | A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(70)}$ | 3 | /C | C | C | 3 | /C | -/C | -C | -3 | -3 | -/C | -C | 1 | /A | A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(71)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(72)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(73)}$ | 3 | C | /C | /C | 3 | C | -C | -/C | -3 | -3 | -C | -/C | 1 | A | /A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(74)}$ | 3 | C | /C | /C | 3 | C | -C | -/C | -3 | -3 | -C | -/C | 1 | A | /A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(75)}$ | 3 | /C | C | C | 3 | /C | -/C | -C | -3 | -3 | -/C | -C | 1 | /A | A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(76)}$ | 3 | /C | C | C | 3 | /C | -/C | -C | -3 | -3 | -/C | -C | 1 | /A | A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(77)}$ | 3 | C | /C | /C | 3 | C | C | /C | 3 | 3 | C | /C | -1 | -A | -/A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(78)}$ | 3 | /C | C | C | 3 | /C | /C | C | 3 | 3 | /C | C | -1 | -/A | -A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(79)}$ | 3 | C | /C | /C | 3 | C | C | /C | 3 | 3 | C | /C | -1 | -A | -/A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(80)}$ | 3 | /C | C | C | 3 | /C | /C | C | 3 | 3 | /C | C | -1 | -/A | -A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(81)}$ | 3 | C | /C | /C | 3 | C | C | /C | 3 | 3 | C | /C | -1 | -A | -/A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(82)}$ | 3 | /C | C | C | 3 | /C | /C | C | 3 | 3 | /C | C | -1 | -/A | -A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(83)}$ | 3 | C | /C | /C | 3 | C | C | /C | 3 | 3 | C | /C | -1 | -A | -/A | -A | -/A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(84)}$ | 3 | /C | C | C | 3 | /C | /C | C | 3 | 3 | /C | C | -1 | -/A | -A | -/A | -A | -1 | . | . | . | . | . | . | . |
| $\chi_{41}^{(85)}$ | 4 | 4 | 4 | -4 | -4 | -4 | G | G | G | -G | -G | -G | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -I |
| $\chi_{41}^{(86)}$ | 4 | 4 | 4 | -4 | -4 | -4 | -G | -G | -G | G | G | G | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | I |
| $\chi_{41}^{(87)}$ | 4 | D | /D | -/D | -4 | -D | H | -/H | G | -G | -H | /H | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -J |
| $\chi_{41}^{(88)}$ | 4 | D | /D | -/D | -4 | -D | -H | /H | -G | G | H | -/H | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | J |
| $\chi_{41}^{(89)}$ | 4 | /D | D | -D | -4 | -/D | -/H | H | G | -G | /H | -H | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | /J |
| $\chi_{41}^{(90)}$ | 4 | /D | D | -D | -4 | -/D | /H | -H | -G | G | -/H | H | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -/J |

| | 10 | | | | | | | | | | | 20 | | | | | | | | | | | | |
|--------------------|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| $\chi_{41}^{(91)}$ | 4 | 4 | 4 | -4 | -4 | -4 | G | G | G | -G | -G | -G | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -I |
| $\chi_{41}^{(92)}$ | 4 | 4 | 4 | -4 | -4 | -4 | -G | -G | -G | G | G | G | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | I |
| $\chi_{41}^{(93)}$ | 4 | D | /D | -/D | -4 | -D | H | -/H | G | -G | -H | /H | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -J |
| $\chi_{41}^{(94)}$ | 4 | D | /D | -/D | -4 | -D | -H | /H | -G | G | H | -/H | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | J |
| $\chi_{41}^{(95)}$ | 4 | /D | D | -D | -4 | -/D | -/H | H | G | -G | /H | -H | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | /J |
| $\chi_{41}^{(96)}$ | 4 | /D | D | -D | -4 | -/D | /H | -H | -G | G | -/H | H | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -/J |
| | 30 | | | | | | | | | | | 40 | | | | | | | | | | | | |
| $\chi_{41}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{41}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{41}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{41}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{41}^{(5)}$ | -1 | -1 | -1 | -1 | -1 | -I | -I | -I | -I | -I | -I | I | I | I | I | I | I | I | I | I | -I | -I | -I | |
| $\chi_{41}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | I | I | I | I | I | I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | |
| $\chi_{41}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -I | -I | -I | -I | -I | -I | I | I | I | I | I | I | I | I | I | -I | -I | -I | |
| $\chi_{41}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | I | I | I | I | I | I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | -I | |
| $\chi_{41}^{(9)}$ | -/A | -1 | -1 | -A | -/A | -I | -J | /J | /J | -I | -J | J | -/J | I | I | J | -/J | I | J | -/J | -J | /J | -I | |
| $\chi_{41}^{(10)}$ | -/A | -1 | -1 | -A | -/A | I | J | -/J | -/J | I | J | -J | /J | -I | -I | -J | /J | -I | -J | /J | J | -/J | I | |
| $\chi_{41}^{(11)}$ | -A | -1 | -1 | -/A | -A | -I | /J | -J | -J | -I | /J | -/J | J | I | I | -/J | J | I | -/J | J | /J | -J | -I | |
| $\chi_{41}^{(12)}$ | -A | -1 | -1 | -/A | -A | I | -/J | J | J | I | -/J | /J | -J | -I | -I | /J | -J | -I | /J | -J | -/J | J | I | |
| $\chi_{41}^{(13)}$ | -/A | -1 | -1 | -A | -/A | -I | -J | /J | /J | -I | -J | J | -/J | I | I | J | -/J | I | J | -/J | -J | /J | -I | |
| $\chi_{41}^{(14)}$ | -/A | -1 | -1 | -A | -/A | I | J | -/J | -/J | I | J | -J | /J | -I | -I | -J | /J | -I | -J | /J | J | -/J | I | |
| $\chi_{41}^{(15)}$ | -A | -1 | -1 | -/A | -A | -I | /J | -J | -J | -I | /J | -/J | J | I | I | -/J | J | I | -/J | J | /J | -J | -I | |
| $\chi_{41}^{(16)}$ | -A | -1 | -1 | -/A | -A | I | -/J | J | J | I | -/J | /J | -J | -I | -I | /J | -J | -I | /J | -J | -/J | J | I | |
| $\chi_{41}^{(17)}$ | /A | 1 | 1 | A | /A | -1 | -A | -/A | -/A | -1 | -A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | -A | -/A | -1 | |
| $\chi_{41}^{(18)}$ | A | 1 | 1 | /A | A | -1 | -/A | -A | -A | -1 | -/A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | -/A | -A | -1 | |
| $\chi_{41}^{(19)}$ | /A | 1 | 1 | A | /A | -1 | -A | -/A | -/A | -1 | -A | -A | -/A | -1 | -1 | -A | -/A | -1 | -A | -/A | -A | -/A | -1 | |
| $\chi_{41}^{(20)}$ | A | 1 | 1 | /A | A | -1 | -/A | -A | -A | -1 | -/A | -/A | -A | -1 | -1 | -/A | -A | -1 | -/A | -A | -/A | -A | -1 | |
| $\chi_{41}^{(21)}$ | /A | 1 | 1 | A | /A | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | |
| $\chi_{41}^{(22)}$ | A | 1 | 1 | /A | A | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | |
| $\chi_{41}^{(23)}$ | /A | 1 | 1 | A | /A | 1 | A | /A | /A | 1 | A | A | /A | 1 | 1 | A | /A | 1 | A | /A | A | /A | 1 | |
| $\chi_{41}^{(24)}$ | A | 1 | 1 | /A | A | 1 | /A | A | A | 1 | /A | /A | A | 1 | 1 | /A | A | 1 | /A | A | /A | A | 1 | |
| $\chi_{41}^{(25)}$ | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(27)}$ | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(29)}$ | -/A | -1 | -1 | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(30)}$ | -A | -1 | -1 | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(31)}$ | -/A | -1 | -1 | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(32)}$ | -A | -1 | -1 | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(33)}$ | /A | 1 | 1 | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(34)}$ | A | 1 | 1 | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(35)}$ | /A | 1 | 1 | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(36)}$ | A | 1 | 1 | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{41}^{(37)}$ | I | I | -I | -I | -I | K | K | K | -K | -K | -K | -/K | -/K | -/K | /K | /K | /K | . | . | . | . | . | . | |
| $\chi_{41}^{(38)}$ | -I | -I | I | I | I | /K | /K | /K | -/K | -/K | -/K | -K | -K | -K | K | K | K | . | . | . | . | . | . | |
| $\chi_{41}^{(39)}$ | I | I | -I | -I | -I | -K | -K | -K | K | K | K | /K | /K | /K | -/K | -/K | -/K | . | . | . | . | . | . | |
| $\chi_{41}^{(40)}$ | -I | -I | I | I | I | -/K | -/K | -/K | /K | /K | /K | K | K | K | -K | -K | -K | . | . | . | . | . | . | |

| | 80 | | | | | | | | | | | | 90 | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|----|----|-----|
| $\chi_{41}^{(31)}$ | -/B | -/B | -2 | -B | -B | -/B | -2 | -2 | -B | -/B | -/B | -2 | -B | /A | 1 | A | A | /A | 1 | 1 | A |
| $\chi_{41}^{(32)}$ | -B | -B | -2 | -/B | -/B | -B | -2 | -2 | -/B | -B | -B | -2 | -/B | A | 1 | /A | /A | A | 1 | 1 | /A |
| $\chi_{41}^{(33)}$ | /B | -/B | -2 | -B | -B | -/B | -2 | 2 | B | /B | /B | 2 | B | /A | 1 | A | A | /A | 1 | -1 | -A |
| $\chi_{41}^{(34)}$ | B | -B | -2 | -/B | -/B | -B | -2 | 2 | /B | B | B | 2 | /B | A | 1 | /A | /A | A | 1 | -1 | -/A |
| $\chi_{41}^{(35)}$ | -/B | /B | 2 | B | B | /B | 2 | -2 | -B | -/B | -/B | -2 | -B | -/A | -1 | -A | -A | -/A | -1 | 1 | A |
| $\chi_{41}^{(36)}$ | -B | B | 2 | /B | /B | B | 2 | -2 | -/B | -B | -B | -2 | -/B | -A | -1 | -/A | -/A | -A | -1 | 1 | /A |
| $\chi_{41}^{(37)}$ | . | -E | -E | -E | E | E | E | 2 | 2 | 2 | -2 | -2 | -2 | -I | -I | -I | I | I | I | -1 | -1 |
| $\chi_{41}^{(38)}$ | . | E | E | E | -E | -E | -E | 2 | 2 | 2 | -2 | -2 | -2 | I | I | I | -I | -I | -I | -1 | -1 |
| $\chi_{41}^{(39)}$ | . | -E | -E | -E | E | E | E | 2 | 2 | 2 | -2 | -2 | -2 | -I | -I | -I | I | I | I | -1 | -1 |
| $\chi_{41}^{(40)}$ | . | E | E | E | -E | -E | -E | 2 | 2 | 2 | -2 | -2 | -2 | I | I | I | -I | -I | -I | -1 | -1 |
| $\chi_{41}^{(41)}$ | . | /F | -E | -F | F | -/F | E | 2 | B | /B | -/B | -2 | -B | /J | -I | -J | J | -/J | I | -1 | -A |
| $\chi_{41}^{(42)}$ | . | -/F | E | F | -F | /F | -E | 2 | B | /B | -/B | -2 | -B | -/J | I | J | -J | /J | -I | -1 | -A |
| $\chi_{41}^{(43)}$ | . | -F | -E | /F | -/F | F | E | 2 | /B | B | -B | -2 | -/B | -J | -I | /J | -/J | J | I | -1 | -/A |
| $\chi_{41}^{(44)}$ | . | F | E | -/F | /F | -F | -E | 2 | /B | B | -B | -2 | -/B | J | I | -/J | /J | -J | -I | -1 | -/A |
| $\chi_{41}^{(45)}$ | . | /F | -E | -F | F | -/F | E | 2 | B | /B | -/B | -2 | -B | /J | -I | -J | J | -/J | I | -1 | -A |
| $\chi_{41}^{(46)}$ | . | -/F | E | F | -F | /F | -E | 2 | B | /B | -/B | -2 | -B | -/J | I | J | -J | /J | -I | -1 | -A |
| $\chi_{41}^{(47)}$ | . | -F | -E | /F | -/F | F | E | 2 | /B | B | -B | -2 | -/B | -J | -I | /J | -/J | J | I | -1 | -/A |
| $\chi_{41}^{(48)}$ | . | F | E | -/F | /F | -F | -E | 2 | /B | B | -B | -2 | -/B | J | I | -/J | /J | -J | -I | -1 | -/A |
| $\chi_{41}^{(49)}$ | . | E | E | E | -E | -E | -E | -2 | -2 | -2 | 2 | 2 | 2 | I | I | I | -I | -I | -I | 1 | 1 |
| $\chi_{41}^{(50)}$ | . | -E | -E | -E | E | E | E | -2 | -2 | -2 | 2 | 2 | 2 | -I | -I | -I | I | I | I | 1 | 1 |
| $\chi_{41}^{(51)}$ | . | E | E | E | -E | -E | -E | -2 | -2 | -2 | 2 | 2 | 2 | I | I | I | -I | -I | -I | 1 | 1 |
| $\chi_{41}^{(52)}$ | . | -E | -E | -E | E | E | E | -2 | -2 | -2 | 2 | 2 | 2 | -I | -I | -I | I | I | I | 1 | 1 |
| $\chi_{41}^{(53)}$ | . | -/F | E | F | -F | /F | -E | -2 | -B | -/B | /B | 2 | B | -/J | I | J | -J | /J | -I | 1 | A |
| $\chi_{41}^{(54)}$ | . | /F | -E | -F | F | -/F | E | -2 | -B | -/B | /B | 2 | B | /J | -I | -J | J | -/J | I | 1 | A |
| $\chi_{41}^{(55)}$ | . | F | E | -/F | /F | -F | -E | -2 | -/B | -B | B | 2 | /B | J | I | -/J | /J | -J | -I | 1 | /A |
| $\chi_{41}^{(56)}$ | . | -F | -E | /F | -/F | F | E | -2 | -/B | -B | B | 2 | /B | -J | -I | /J | -/J | J | I | 1 | /A |
| $\chi_{41}^{(57)}$ | . | -/F | E | F | -F | /F | -E | -2 | -B | -/B | /B | 2 | B | -/J | I | J | -J | /J | -I | 1 | A |
| $\chi_{41}^{(58)}$ | . | /F | -E | -F | F | -/F | E | -2 | -B | -/B | /B | 2 | B | /J | -I | -J | J | -/J | I | 1 | A |
| $\chi_{41}^{(59)}$ | . | F | E | -/F | /F | -F | -E | -2 | -/B | -B | B | 2 | /B | J | I | -/J | /J | -J | -I | 1 | /A |
| $\chi_{41}^{(60)}$ | . | -F | -E | /F | -/F | F | E | -2 | -/B | -B | B | 2 | /B | -J | -I | /J | -/J | J | I | 1 | /A |
| $\chi_{41}^{(61)}$ | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(62)}$ | -1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(63)}$ | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(64)}$ | 1 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(65)}$ | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(66)}$ | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | 3 | 3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(67)}$ | -/A | -/C | -3 | -C | -C | -/C | -3 | 3 | C | /C | /C | 3 | C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(68)}$ | -/A | -/C | -3 | -C | -C | -/C | -3 | 3 | C | /C | /C | 3 | C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(69)}$ | -A | -C | -3 | -/C | -/C | -C | -3 | 3 | /C | C | C | 3 | /C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(70)}$ | -A | -C | -3 | -/C | -/C | -C | -3 | 3 | /C | C | C | 3 | /C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(71)}$ | 1 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(72)}$ | 1 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(73)}$ | /A | /C | 3 | C | C | /C | 3 | -3 | -C | -/C | -/C | -3 | -C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(74)}$ | /A | /C | 3 | C | C | /C | 3 | -3 | -C | -/C | -/C | -3 | -C | . | . | . | . | . | . | . | . |
| $\chi_{41}^{(75)}$ | A | C | 3 | /C | /C | C | 3 | -3 | -/C | -C | -C | -3 | -/C | . | . | . | . | . | . | . | . |

| $\chi_{41}^{(26)}$ | 1 | 1 | 1 | 1 |
|--------------------|-------------|-------------|----|-------------|
| $\chi_{41}^{(27)}$ | -1 | -1 | -1 | -1 |
| $\chi_{41}^{(28)}$ | 1 | 1 | 1 | 1 |
| $\chi_{41}^{(29)}$ | $-\sqrt{A}$ | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(30)}$ | -A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(31)}$ | \sqrt{A} | \sqrt{A} | 1 | A |
| $\chi_{41}^{(32)}$ | A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(33)}$ | $-\sqrt{A}$ | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(34)}$ | -A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(35)}$ | \sqrt{A} | \sqrt{A} | 1 | A |
| $\chi_{41}^{(36)}$ | A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(37)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(38)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(39)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(40)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(41)}$ | $-\sqrt{A}$ | \sqrt{A} | 1 | A |
| $\chi_{41}^{(42)}$ | $-\sqrt{A}$ | \sqrt{A} | 1 | A |
| $\chi_{41}^{(43)}$ | -A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(44)}$ | -A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(45)}$ | $-\sqrt{A}$ | \sqrt{A} | 1 | A |
| $\chi_{41}^{(46)}$ | $-\sqrt{A}$ | \sqrt{A} | 1 | A |
| $\chi_{41}^{(47)}$ | -A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(48)}$ | -A | A | 1 | \sqrt{A} |
| $\chi_{41}^{(49)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(50)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(51)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(52)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(53)}$ | \sqrt{A} | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(54)}$ | \sqrt{A} | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(55)}$ | A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(56)}$ | A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(57)}$ | \sqrt{A} | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(58)}$ | \sqrt{A} | $-\sqrt{A}$ | -1 | -A |
| $\chi_{41}^{(59)}$ | A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(60)}$ | A | -A | -1 | $-\sqrt{A}$ |
| $\chi_{41}^{(61)}$ | . | . | . | . |
| $\chi_{41}^{(62)}$ | . | . | . | . |
| $\chi_{41}^{(63)}$ | . | . | . | . |
| $\chi_{41}^{(64)}$ | . | . | . | . |
| $\chi_{41}^{(65)}$ | . | . | . | . |
| $\chi_{41}^{(66)}$ | . | . | . | . |
| $\chi_{41}^{(67)}$ | . | . | . | . |
| $\chi_{41}^{(68)}$ | . | . | . | . |
| $\chi_{41}^{(69)}$ | . | . | . | . |
| $\chi_{41}^{(70)}$ | . | . | . | . |

| | | | | |
|--------------------|-----|-----|----|-----|
| $\chi_{41}^{(71)}$ | . | . | . | . |
| $\chi_{41}^{(72)}$ | . | . | . | . |
| $\chi_{41}^{(73)}$ | . | . | . | . |
| $\chi_{41}^{(74)}$ | . | . | . | . |
| $\chi_{41}^{(75)}$ | . | . | . | . |
| $\chi_{41}^{(76)}$ | . | . | . | . |
| $\chi_{41}^{(77)}$ | . | . | . | . |
| $\chi_{41}^{(78)}$ | . | . | . | . |
| $\chi_{41}^{(79)}$ | . | . | . | . |
| $\chi_{41}^{(80)}$ | . | . | . | . |
| $\chi_{41}^{(81)}$ | . | . | . | . |
| $\chi_{41}^{(82)}$ | . | . | . | . |
| $\chi_{41}^{(83)}$ | . | . | . | . |
| $\chi_{41}^{(84)}$ | . | . | . | . |
| $\chi_{41}^{(85)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(86)}$ | 1 | -1 | -1 | -1 |
| $\chi_{41}^{(87)}$ | /A | -/A | -1 | -A |
| $\chi_{41}^{(88)}$ | /A | -/A | -1 | -A |
| $\chi_{41}^{(89)}$ | A | -A | -1 | -/A |
| $\chi_{41}^{(90)}$ | A | -A | -1 | -/A |
| $\chi_{41}^{(91)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(92)}$ | -1 | 1 | 1 | 1 |
| $\chi_{41}^{(93)}$ | -/A | /A | 1 | A |
| $\chi_{41}^{(94)}$ | -/A | /A | 1 | A |
| $\chi_{41}^{(95)}$ | -A | A | 1 | /A |
| $\chi_{41}^{(96)}$ | -A | A | 1 | /A |

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b3$, $B = 2^*E(3)^2 = -1-ER(-3) = -1-i3$, $C = 3^*E(3)^2 = (-3-3^*ER(-3))/2 = -3-3b3$, $D = 4^*E(3)^2 = -2-2^*ER(-3) = -2-2i3$, $E = -2^*E(4) = -2^*ER(-1) = -2i$, $F = -2^*E(12)^{11}$, $G = -4^*E(4) = -4^*ER(-1) = -4i$, $H = -4^*E(12)^{11}$, $I = E(4) = ER(-1) = i$, $J = E(12)^{11}$, $K = 1-E(4) = 1-ER(-1) = 1-i$, $L = E(12)^8-E(12)^{11}$, $M = E(12)^8+E(12)^{11}$.

The generators of G^{s42} are:

$$\begin{pmatrix} 0 & 0 & -1 & 0 & 1 & -1 & 0 & 1 \\ -1 & -1 & 0 & 0 & 1 & -1 & 0 & 1 \\ -1 & 0 & 0 & -1 & 2 & -2 & 0 & 2 \\ -1 & -1 & 0 & -1 & 2 & -2 & 0 & 3 \\ -1 & -1 & 0 & 0 & 1 & -2 & 0 & 3 \\ 0 & -1 & 0 & 0 & 1 & -2 & 0 & 2 \\ 0 & -1 & 0 & 0 & 1 & -1 & -1 & 2 \\ 0 & -1 & 0 & 0 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & -1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & -1 & 1 & 0 \\ 0 & 0 & 0 & 1 & -1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix},$$

[illegible]

[illegible]

[illegible]

The character table of $G^{s_{42}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | |
|--------------------|----|----|----|----|---|----|---|----|----|---|----|----|----|-----|-----|-----|----|-----|----|-----|-----|-----|
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(9)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A |
| $\chi_{42}^{(10)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A |
| $\chi_{42}^{(11)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A |
| $\chi_{42}^{(12)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A |
| $\chi_{42}^{(13)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A |
| $\chi_{42}^{(14)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A |
| $\chi_{42}^{(15)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A |
| $\chi_{42}^{(16)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A |
| $\chi_{42}^{(17)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A |
| $\chi_{42}^{(18)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A |
| $\chi_{42}^{(19)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A |
| $\chi_{42}^{(20)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A |
| $\chi_{42}^{(21)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A |
| $\chi_{42}^{(22)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A |
| $\chi_{42}^{(23)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A |
| $\chi_{42}^{(24)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A |
| $\chi_{42}^{(25)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{42}^{(26)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{42}^{(27)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{42}^{(28)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{42}^{(29)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(30)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(31)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(32)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(33)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | 2 | B | /B | /B | 2 | B | 2 | B | /B | /B |
| $\chi_{42}^{(34)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B | 2 | /B | 2 | /B | B | B |
| $\chi_{42}^{(35)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | 2 | B | /B | /B | 2 | B | -2 | -B | -/B | -/B |
| $\chi_{42}^{(36)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B | 2 | /B | -2 | -/B | -B | -B |
| $\chi_{42}^{(37)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | 2 | B | /B | /B | 2 | B | -2 | -B | -/B | -/B |
| $\chi_{42}^{(38)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B | 2 | /B | -2 | -/B | -B | -B |
| $\chi_{42}^{(39)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | 2 | B | /B | /B | 2 | B | 2 | B | /B | /B |
| $\chi_{42}^{(40)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | 2 | /B | B | B | 2 | /B | 2 | /B | B | B |
| $\chi_{42}^{(41)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . |
| $\chi_{42}^{(42)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . |
| $\chi_{42}^{(43)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . |
| $\chi_{42}^{(44)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . |
| $\chi_{42}^{(45)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | | |
|--------------------|----|----|----|-----|----|-----|---|----|----|---|----|----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|---|
| $\chi_{42}^{(46)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | . |
| $\chi_{42}^{(47)}$ | 2 | B | /B | /B | 2 | B | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . | . | . | . |
| $\chi_{42}^{(48)}$ | 2 | /B | B | B | 2 | /B | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | . |
| $\chi_{42}^{(49)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 | . |
| $\chi_{42}^{(50)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 | . |
| $\chi_{42}^{(51)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 | . |
| $\chi_{42}^{(52)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 | . |
| $\chi_{42}^{(53)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 | . |
| $\chi_{42}^{(54)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 | . |
| $\chi_{42}^{(55)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 | . |
| $\chi_{42}^{(56)}$ | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 | . |
| $\chi_{42}^{(57)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . |
| $\chi_{42}^{(58)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | . |
| $\chi_{42}^{(59)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | 2 | B | /B | -/B | -2 | -B | . |
| $\chi_{42}^{(60)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | 2 | /B | B | -B | -2 | -/B | . |
| $\chi_{42}^{(61)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | 2 | B | /B | -/B | -2 | -B | . |
| $\chi_{42}^{(62)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | 2 | /B | B | -B | -2 | -/B | . |
| $\chi_{42}^{(63)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -2 | -B | -/B | /B | 2 | B | . |
| $\chi_{42}^{(64)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -2 | -/B | -B | B | 2 | /B | . |
| $\chi_{42}^{(65)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -2 | -B | -/B | /B | 2 | B | . |
| $\chi_{42}^{(66)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -2 | -/B | -B | B | 2 | /B | . |
| $\chi_{42}^{(67)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -2 | -B | -/B | /B | 2 | B | . |
| $\chi_{42}^{(68)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -2 | -/B | -B | B | 2 | /B | . |
| $\chi_{42}^{(69)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | -2 | -B | -/B | /B | 2 | B | . |
| $\chi_{42}^{(70)}$ | 4 | /C | C | -C | -4 | -/C | . | . | . | . | . | . | 1 | /A | A | -A | -1 | -/A | -2 | -/B | -B | B | 2 | /B | . |
| $\chi_{42}^{(71)}$ | 4 | C | /C | -/C | -4 | -C | . | . | . | . | . | . | 1 | A | /A | -/A | -1 | -A | 2</ | | | | | | |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | |
|---------------------|----|----|----|-----|----|-----|---|----|----|----|----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|
| $\chi_{42}^{(91)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{42}^{(92)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{42}^{(93)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | . |
| $\chi_{42}^{(94)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -4 | -4 | -4 | 4 | 4 | 4 | . |
| $\chi_{42}^{(95)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{42}^{(96)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . | . |
| $\chi_{42}^{(97)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -4 | -4 | -4 | 4 | 4 | 4 | . |
| $\chi_{42}^{(98)}$ | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | . |
| $\chi_{42}^{(99)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | . | . | . | . | . | . | . |
| $\chi_{42}^{(100)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | . | . | . | . | . | . | . |
| $\chi_{42}^{(101)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | . | . | . | . | . | . | . |
| $\chi_{42}^{(102)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | . | . | . | . | . | . | . |
| $\chi_{42}^{(103)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | 2 | B | /B | -/B | -2 | -B | 4 | C | /C | -/C | -4 | -C | . |
| $\chi_{42}^{(104)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | 2 | /B | B | -B | -2 | -/B | 4 | /C | C | -C | -4 | -/C | . |
| $\chi_{42}^{(105)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | 2 | B | /B | -/B | -2 | -B | -4 | -C | -/C | /C | 4 | C | . |
| $\chi_{42}^{(106)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | 2 | /B | B | -B | -2 | -/B | -4 | -/C | -C | C | 4 | /C | . |
| $\chi_{42}^{(107)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | . | . | . | . | . | . | . |
| $\chi_{42}^{(108)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | . | . | . | . | . | . | . |
| $\chi_{42}^{(109)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | -1 | -A | -/A | /A | 1 | A | . | . | . | . | . | . | . |
| $\chi_{42}^{(110)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | -1 | -/A | -A | A | 1 | /A | . | . | . | . | . | . | . |
| $\chi_{42}^{(111)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | 2 | B | /B | -/B | -2 | -B | -4 | -C | -/C | /C | 4 | C | . |
| $\chi_{42}^{(112)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | 2 | /B | B | -B | -2 | -/B | -4 | -/C | -C | C | 4 | /C | . |
| $\chi_{42}^{(113)}$ | 8 | E | /E | -/E | -8 | -E | . | . | . | . | . | 2 | B | /B | -/B | -2 | -B | 4 | C | /C | -/C | -4 | -C | . |
| $\chi_{42}^{(114)}$ | 8 | /E | E | -E | -8 | -/E | . | . | . | . | . | 2 | /B | B | -B | -2 | -/B | 4 | /C | C | -C | -4 | -/C | . |
| $\chi_{42}^{(115)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{42}^{(116)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{42}^{(117)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{42}^{(118)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{42}^{(119)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{42}^{(120)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 |
| $\chi_{42}^{(121)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{42}^{(122)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 |
| $\chi_{42}^{(123)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | -3 | I | /I | /I | -3 | I | 1 |
| $\chi_{42}^{(124)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | -3 | /I | I | I | -3 | /I | 1 |
| $\chi_{42}^{(125)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | -3 | I | /I | /I | -3 | I | 1 |
| $\chi_{42}^{(126)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | -3 | /I | I | I | -3 | /I | 1 |
| $\chi_{42}^{(127)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | 3 | -I | -/I | -/I | 3 | -I | -1 |
| $\chi_{42}^{(128)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | 3 | -/I | -I | -I | 3 | -/I | -1 |
| $\chi_{42}^{(129)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | 3 | -I | -/I | -/I | 3 | -I | -1 |
| $\chi_{42}^{(130)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | 3 | -/I | -I | -I | 3 | -/I | -1 |
| $\chi_{42}^{(131)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | 3 | -I | -/I | -/I | 3 | -I | -1 |
| $\chi_{42}^{(132)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | 3 | -/I | -I | -I | 3 | -/I | -1 |
| $\chi_{42}^{(133)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | 3 | -I | -/I | -/I | 3 | -I | -1 |
| $\chi_{42}^{(134)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | 3 | -/I | -I | -I | 3 | -/I | -1 |
| $\chi_{42}^{(135)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | -3 | I | /I | /I | -3 | I | 1 |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|-----|----|-----|-----|----|----|----|----|-----|-----|----|----|----|-----|-----|-----|----|-----|----|
| $\chi_{42}^{(136)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | -3 | /I | I | I | -3 | /I | 1 |
| $\chi_{42}^{(137)}$ | 9 | F | /F | /F | 9 | F | 1 | A | /A | -3 | I | /I | . | . | . | . | . | -3 | I | /I | /I | -3 | I | 1 |
| $\chi_{42}^{(138)}$ | 9 | /F | F | F | 9 | /F | 1 | /A | A | -3 | /I | I | . | . | . | . | . | -3 | /I | I | I | -3 | /I | 1 |
| $\chi_{42}^{(139)}$ | 12 | 12 | 12 | 12 | 12 | 12 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(140)}$ | 12 | 12 | 12 | 12 | 12 | 12 | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(141)}$ | 12 | G | /G | /G | 12 | G | -4 | -C | -/C | 4 | C | /C | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(142)}$ | 12 | /G | G | G | 12 | /G | -4 | -/C | -C | 4 | /C | C | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(143)}$ | 12 | G | /G | /G | 12 | G | -4 | -C | -/C | 4 | C | /C | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(144)}$ | 12 | /G | G | G | 12 | /G | -4 | -/C | -C | 4 | /C | C | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(145)}$ | 16 | 16 | 16 | -16 | -16 | -16 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(146)}$ | 16 | 16 | 16 | -16 | -16 | -16 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(147)}$ | 16 | H | /H | -/H | -16 | -H | . | . | . | . | . | . | -2 | -B | -/B | /B | 2 | B | . | . | . | . | . | . |
| $\chi_{42}^{(148)}$ | 16 | /H | H | -H | -16 | -/H | . | . | . | . | . | . | -2 | -/B | -B | B | 2 | /B | . | . | . | . | . | . |
| $\chi_{42}^{(149)}$ | 16 | H | /H | -/H | -16 | -H | . | . | . | . | . | . | -2 | -B | -/B | /B | 2 | B | . | . | . | . | . | . |
| $\chi_{42}^{(150)}$ | 16 | /H | H | -H | -16 | -/H | . | . | . | . | . | . | -2 | -/B | -B | B | 2 | /B | . | . | . | . | . | . |
| | 30 | | | | | | | | | | | | 40 | | | | | | | | | | | |
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(3)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(4)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{42}^{(5)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{42}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{42}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{42}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(9)}$ | -A | -/A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A | -1 |
| $\chi_{42}^{(10)}$ | -/A | -A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A | -1 | -/A | -1 |
| $\chi_{42}^{(11)}$ | -A | -/A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A | -1 |
| $\chi_{42}^{(12)}$ | -/A | -A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A | -1 | -/A | -1 |
| $\chi_{42}^{(13)}$ | -A | -/A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A | 1 |
| $\chi_{42}^{(14)}$ | -/A | -A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A | -1 | -/A | 1 |
| $\chi_{42}^{(15)}$ | -A | -/A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A | 1 |
| $\chi_{42}^{(16)}$ | -/A | -A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A | -1 | -/A | 1 |
| $\chi_{42}^{(17)}$ | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 |
| $\chi_{42}^{(18)}$ | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 |
| $\chi_{42}^{(19)}$ | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 |
| $\chi_{42}^{(20)}$ | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 |
| $\chi_{42}^{(21)}$ | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 |
| $\chi_{42}^{(22)}$ | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 |
| $\chi_{42}^{(23)}$ | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 |
| $\chi_{42}^{(24)}$ | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 |
| $\chi_{42}^{(25)}$ | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . |
| $\chi_{42}^{(26)}$ | -2 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . |
| $\chi_{42}^{(27)}$ | -2 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . |
| $\chi_{42}^{(28)}$ | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . |
| $\chi_{42}^{(29)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | 2 |
| $\chi_{42}^{(30)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | -2 |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|--|--|--|--|--|--|
| $\chi_{42}^{(31)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 2 | | | | | | | |
| $\chi_{42}^{(32)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -2 | | | | | | | |
| $\chi_{42}^{(33)}$ | B | /B | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -/A | -1 | -A | . | | | | | | |
| $\chi_{42}^{(34)}$ | /B | B | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -A | -1 | -/A | . | | | | | | |
| $\chi_{42}^{(35)}$ | -B | -/B | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | 1 | A | /A | /A | 1 | A | . | | | | | | |
| $\chi_{42}^{(36)}$ | -/B | -B | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | 1 | /A | A | A | 1 | /A | . | | | | | | |
| $\chi_{42}^{(37)}$ | -B | -/B | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | 1 | A | /A | /A | 1 | A | . | | | | | | |
| $\chi_{42}^{(38)}$ | -/B | -B | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | 1 | /A | A | A | 1 | /A | . | | | | | | |
| $\chi_{42}^{(39)}$ | B | /B | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -/A | -1 | -A | . | | | | | | |
| $\chi_{42}^{(40)}$ | /B | B | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -A | -1 | -/A | . | | | | | | |
| $\chi_{42}^{(41)}$ | . | . | 2 | B | /B | /B | 2 | B | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . | . | . | 2 | | | | | | |
| $\chi_{42}^{(42)}$ | . | . | 2 | /B | B | B | 2 | /B | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | 2 | | | | | | |
| $\chi_{42}^{(43)}$ | . | . | 2 | B | /B | /B | 2 | B | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . | . | . | -2 | | | | | | |
| $\chi_{42}^{(44)}$ | . | . | 2 | /B | B | B | 2 | /B | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | -2 | | | | | | |
| $\chi_{42}^{(45)}$ | . | . | 2 | B | /B | /B | 2 | B | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . | . | . | 2 | | | | | | |
| $\chi_{42}^{(46)}$ | . | . | 2 | /B | B | B | 2 | /B | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | 2 | | | | | | |
| $\chi_{42}^{(47)}$ | . | . | 2 | B | /B | /B | 2 | B | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | . | . | . | . | . | . | -2 | | | | | | |
| $\chi_{42}^{(48)}$ | . | . | 2 | /B | B | B | 2 | /B | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | . | . | . | . | . | . | -2 | | | | | | |
| $\chi_{42}^{(49)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | -2 | | | | | | |
| $\chi_{42}^{(50)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | 2 | | | | | | |
| $\chi_{42}^{(51)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | | | | | | |
| $\chi_{42}^{(52)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 | 2 | | | | | | |
| $\chi_{42}^{(53)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | | | | | | |
| $\chi_{42}^{(54)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 | 2 | | | | | | |
| $\chi_{42}^{(55)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | -2 | | | | | | |
| $\chi_{42}^{(56)}$ | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | 2 | | | | | | |
| $\chi_{42}^{(57)}$ | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | | | | | | |
| $\chi_{42}^{(58)}$ | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | | | | | | |
| $\chi_{42}^{(59)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | 1 | A | /A | -/A | -1 | -A | -2 | | | | | | |
| $\chi_{42}^{(60)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | 1 | /A | A | -A | -1 | -/A | -2 | | | | | | |
| $\chi_{42}^{(61)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | 1 | A | /A | -/A | -1 | -A | 2 | | | | | | |
| $\chi_{42}^{(62)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | 1 | /A | A | -A | -1 | -/A | 2 | | | | | | |
| $\chi_{42}^{(63)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | -1 | -A | -/A | /A | 1 | A | -2 | | | | | | |
| $\chi_{42}^{(64)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | -1 | -/A | -A | A | 1 | /A | -2 | | | | | | |
| $\chi_{42}^{(65)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | -1 | -A | -/A | /A | 1 | A | 2 | | | | | | |
| $\chi_{42}^{(66)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | -1 | -/A | -A | A | 1 | /A | 2 | | | | | | |
| $\chi_{42}^{(67)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | -1 | -A | -/A | /A | 1 | A | -2 | | | | | | |
| $\chi_{42}^{(68)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | -1 | -/A | -A | A | 1 | /A | -2 | | | | | | |
| $\chi_{42}^{(69)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | -1 | -A | -/A | /A | 1 | A | 2 | | | | | | |
| $\chi_{42}^{(70)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | -1 | -/A | -A | A | 1 | /A | 2 | | | | | | |
| $\chi_{42}^{(71)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | 1 | A | /A | -/A | -1 | -A | -2 | | | | | | |
| $\chi_{42}^{(72)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | 1 | /A | A | -A | -1 | -/A | -2 | | | | | | |
| $\chi_{42}^{(73)}$ | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | 2 | B | /B | -/B | -2 | -B | 1 | A | /A | -/A | -1 | -A | 2 | | | | | | |
| $\chi_{42}^{(74)}$ | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | 2 | /B | B | -B | -2 | -/B | 1 | /A | A | -A | -1 | -/A | 2 | | | | | | |
| $\chi_{42}^{(75)}$ | . | . | -2 | -B | -/B | -/B | -2 | -B | 1 | A | /A | 1 | A | /A | /A | 1 | A | . | . | . | . | . | . | . | | | | | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|
| $\chi_{42}^{(121)}$ | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(122)}$ | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(123)}$ | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(124)}$ | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(125)}$ | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(126)}$ | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(127)}$ | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(128)}$ | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(129)}$ | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(130)}$ | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(131)}$ | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(132)}$ | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(133)}$ | -A | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(134)}$ | -/A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(135)}$ | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(136)}$ | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -3 |
| $\chi_{42}^{(137)}$ | A | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(138)}$ | /A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 3 |
| $\chi_{42}^{(139)}$ | . | . | . | . | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . |
| $\chi_{42}^{(140)}$ | . | . | . | . | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | . | . |
| $\chi_{42}^{(141)}$ | . | . | . | . | . | . | . | 1 | A | /A | -3 | I | /I | /I | -3 | I | . | . | . | . |
| $\chi_{42}^{(142)}$ | . | . | . | . | . | . | . | 1 | /A | A | -3 | /I | I | I | -3 | /I | . | . | . | . |
| $\chi_{42}^{(143)}$ | . | . | . | . | . | . | . | 1 | A | /A | -3 | I | /I | /I | -3 | I | . | . | . | . |
| $\chi_{42}^{(144)}$ | . | . | . | . | . | . | . | 1 | /A | A | -3 | /I | I | I | -3 | /I | . | . | . | . |
| $\chi_{42}^{(145)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{42}^{(146)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{42}^{(147)}$ | . | . | -2 | -B | -/B | /B | 2 | B | . | . | 2 | B | /B | -/B | -2 | -B | . | . | . | . |
| $\chi_{42}^{(148)}$ | . | . | -2 | -/B | -B | B | 2 | /B | . | . | 2 | /B | B | -B | -2 | -/B | . | . | . | . |
| $\chi_{42}^{(149)}$ | . | . | -2 | -B | -/B | /B | 2 | B | . | . | 2 | B | /B | -/B | -2 | -B | . | . | . | . |
| $\chi_{42}^{(150)}$ | . | . | -2 | -/B | -B | B | 2 | /B | . | . | 2 | /B | B | -B | -2 | -/B | . | . | . | . |
| | 50 | | | | | | | | | | 60 | | | | | | | | | |
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(9)}$ | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | 1 | A | /A | /A | 1 | A |
| $\chi_{42}^{(10)}$ | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | 1 | /A | A | A | 1 | /A |
| $\chi_{42}^{(11)}$ | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | -1 | -A | -/A | -/A | -1 | -A | 1 | A | /A | /A | 1 | A |
| $\chi_{42}^{(12)}$ | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | -1 | -/A | -A | -A | -1 | -/A | 1 | /A | A | A | 1 | /A |
| $\chi_{42}^{(13)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A |
| $\chi_{42}^{(14)}$ | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | A | 1 | /A | -1 | -/A | -A | -A | -1 | -/A |
| $\chi_{42}^{(15)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | /A | 1 | A | -1 | -A | -/A | -/A | -1 | -A |

| | 50 | | | | | | | | 60 | | | | | | | | 70 | | | | | | | |
|---------------------|-----|-----|-----|----|-----|----|-------|-----|----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|----|-----|-----|----|--|
| $\chi_{42}^{(106)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(107)}$ | -C | -/C | /C | 4 | C | . | . | . | 1 | A | /A | -/A | -1 | -A | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(108)}$ | -/C | -C | C | 4 | /C | . | . | . | 1 | /A | A | -A | -1 | -/A | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(109)}$ | C | /C | -/C | -4 | -C | . | . | . | -1 | -A | -/A | /A | 1 | A | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(110)}$ | /C | C | -C | -4 | -/C | . | . | . | -1 | -/A | -A | A | 1 | /A | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{42}^{(115)}$ | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{42}^{(116)}$ | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{42}^{(117)}$ | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{42}^{(118)}$ | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{42}^{(119)}$ | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{42}^{(120)}$ | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{42}^{(121)}$ | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{42}^{(122)}$ | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{42}^{(123)}$ | I | /I | /I | -3 | I | 1 | A | /A | . | . | . | . | . | 1 | A | /A | /A | 1 | A | 1 | A | /A | -1 | |
| $\chi_{42}^{(124)}$ | /I | I | I | -3 | /I | 1 | /A | A | . | . | . | . | . | 1 | /A | A | A | 1 | /A | 1 | /A | A | -1 | |
| $\chi_{42}^{(125)}$ | -I | -/I | -/I | 3 | -I | -1 | -A | -/A | . | . | . | . | . | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | |
| $\chi_{42}^{(126)}$ | -/I | -I | -I | 3 | -/I | -1 | -/A | -A | . | . | . | . | . | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | |
| $\chi_{42}^{(127)}$ | I | /I | /I | -3 | I | 1 | A | /A | . | . | . | . | . | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | |
| $\chi_{42}^{(128)}$ | /I | I | I | -3 | /I | 1 | /A | A | . | . | . | . | . | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | |
| $\chi_{42}^{(129)}$ | -I | -/I | -/I | 3 | -I | -1 | -A | -/A | . | . | . | . | . | 1 | A | /A | /A | 1 | A | 1 | A | /A | -1 | |
| $\chi_{42}^{(130)}$ | -/I | -I | -I | 3 | -/I | -1 | -/A | -A | . | . | . | . | . | 1 | /A | A | A | 1 | /A | 1 | /A | A | -1 | |
| $\chi_{42}^{(131)}$ | I | /I | /I | -3 | I | 1 | A | /A | . | . | . | . | . | -1 | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | |
| $\chi_{42}^{(132)}$ | /I | I | I | -3 | /I | 1 | /A | A | . | . | . | . | . | -1 | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | |
| $\chi_{42}^{(133)}$ | -I | -/I | -/I | 3 | -I | -1 | -A | -/A | . | . | . | . | . | 1 | A | /A | /A | 1 | A | 1 | A | /A | -1 | |
| $\chi_{42}^{(134)}$ | -/I | -I | -I | 3 | -/I | -1 | -/A</ | | | | | | | | | | | | | | | | | |

| | 80 | | | | | | | | | | 90 | | | | | | | | | |
|--------------------|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(5)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(7)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(8)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(9)}$ | A | /A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A |
| $\chi_{42}^{(10)}$ | /A | A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A |
| $\chi_{42}^{(11)}$ | A | /A | /A | 1 | A | A | /A | 1 | /A | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A |
| $\chi_{42}^{(12)}$ | /A | A | A | 1 | /A | /A | A | 1 | A | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A |
| $\chi_{42}^{(13)}$ | -A | -/A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A |
| $\chi_{42}^{(14)}$ | -/A | -A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A |
| $\chi_{42}^{(15)}$ | -A | -/A | /A | 1 | A | A | /A | 1 | /A | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A |
| $\chi_{42}^{(16)}$ | -/A | -A | A | 1 | /A | /A | A | 1 | A | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A |
| $\chi_{42}^{(17)}$ | -A | -/A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A |
| $\chi_{42}^{(18)}$ | -/A | -A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A |
| $\chi_{42}^{(19)}$ | -A | -/A | /A | 1 | A | A | /A | 1 | /A | 1 | A | /A | 1 | A | A | /A | 1 | /A | 1 | A |
| $\chi_{42}^{(20)}$ | -/A | -A | A | 1 | /A | /A | A | 1 | A | 1 | /A | A | 1 | /A | /A | A | 1 | A | 1 | /A |
| $\chi_{42}^{(21)}$ | A | /A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A |
| $\chi_{42}^{(22)}$ | /A | A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A |
| $\chi_{42}^{(23)}$ | A | /A | /A | 1 | A | A | /A | 1 | /A | 1 | A | /A | 1 | A | A | /A | 1 | /A | 1 | A |
| $\chi_{42}^{(24)}$ | /A | A | A | 1 | /A | /A | A | 1 | A | 1 | /A | A | 1 | /A | /A | A | 1 | A | 1 | /A |
| $\chi_{42}^{(25)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(26)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(27)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(28)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(29)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(30)}$ | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . |
| $\chi_{42}^{(31)}$ | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . |
| $\chi_{42}^{(32)}$ | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . |
| $\chi_{42}^{(33)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(34)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(35)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(36)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(39)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(40)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(41)}$ | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | -/A | -1 | -A | -A | -/A | -1 | . | . | . |
| $\chi_{42}^{(42)}$ | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | -A | -1 | -/A | -/A | -A | -1 | . | . | . |
| $\chi_{42}^{(43)}$ | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | /A | 1 | A | A | /A | 1 | . | . | . |
| $\chi_{42}^{(44)}$ | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | A | 1 | /A | /A | A | 1 | . | . | . |
| $\chi_{42}^{(45)}$ | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | /A | 1 | A | A | /A | 1 | . | . | . |

| | 80 | | | | | | | | | | | 90 | | | | | | | | | | | |
|--------------------|----|---|-----|----|-----|-----|-----|----|----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{42}^{(46)}$ | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(47)}$ | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(48)}$ | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(49)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{42}^{(50)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{42}^{(51)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{42}^{(52)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{42}^{(53)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{42}^{(54)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{42}^{(55)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{42}^{(56)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{42}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(59)}$ | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | /A | 1 | A | -A | -/A | -1 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{42}^{(60)}$ | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | A | 1 | /A | -/A | -A | -1 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{42}^{(61)}$ | . | . | -/B | -2 | -B | B | /B | 2 | . | . | . | -/A | -1 | -A | A | /A | 1 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{42}^{(62)}$ | . | . | -B | -2 | -/B | /B | B | 2 | . | . | . | -A | -1 | -/A | /A | A | 1 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{42}^{(63)}$ | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | /A | 1 | A | -A | -/A | -1 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{42}^{(64)}$ | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | A | 1 | /A | -/A | -A | -1 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{42}^{(65)}$ | . | . | -/B | -2 | -B | B | /B | 2 | . | . | . | -/A | -1 | -A | A | /A | 1 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{42}^{(66)}$ | . | . | -B | -2 | -/B | /B | B | 2 | . | . | . | -A | -1 | -/A | /A | A | 1 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{42}^{(67)}$ | . | . | -/B | -2 | -B | B | /B | 2 | . | . | . | -/A | -1 | -A | A | /A | 1 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{42}^{(68)}$ | . | . | -B | -2 | -/B | /B | B | 2 | . | . | . | -A | -1 | -/A | /A | A | 1 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{42}^{(69)}$ | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | /A | 1 | A | -A | -/A | -1 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{42}^{(70)}$ | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | A | 1 | /A | -/A | -A | -1 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{42}^{(71)}$ | . | . | -/B | -2 | -B | B | /B | 2 | . | . | . | -/A | -1 | -A | A | /A | 1 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{42}^{(72)}$ | . | . | -B | -2 | -/B | /B | B | 2 | . | . | . | -A | -1 | -/A | /A | A | 1 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{42}^{(73)}$ | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | /A | 1 | A | -A | -/A | -1 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{42}^{(74)}$ | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | A | 1 | /A | -/A | -A | -1 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{42}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{42}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{42}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{42}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{42}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 |
| $\chi_{42}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 |
| $\chi_{42}^{(85)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{42}^{(86)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{42}^{(87)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{42}^{(88)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{42}^{(89)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 |
| $\chi_{42}^{(90)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | | | |
|---------------------|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{42}^{(91)}$ | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(92)}$ | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(93)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(94)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(95)}$ | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(96)}$ | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(99)}$ | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | -/A | -1 | -A | A | /A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(100)}$ | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | -A | -1 | -/A | /A | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(101)}$ | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | /A | 1 | A | -A | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(102)}$ | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | A | 1 | /A | -/A | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(103)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(104)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(105)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(106)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(107)}$ | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | /A | 1 | A | -A | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(108)}$ | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | A | 1 | /A | -/A | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(109)}$ | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | -/A | -1 | -A | A | /A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(110)}$ | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | -A | -1 | -/A | /A | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(115)}$ | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(116)}$ | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(117)}$ | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(118)}$ | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(119)}$ | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(120)}$ | -1 | -1 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(121)}$ | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(122)}$ | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(123)}$ | -A | -/A | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(124)}$ | -/A | -A | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(125)}$ | A | /A | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(126)}$ | /A | A | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(127)}$ | A | /A | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(128)}$ | /A | A | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(129)}$ | -A | -/A | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(130)}$ | -/A | -A | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(131)}$ | A | /A | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(132)}$ | /A | A | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(133)}$ | -A | -/A | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(134)}$ | -/A | -A | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(135)}$ | -A | -/A | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | | | |
|---------------------|-------------|-------------|-------------|-----|-------------|-------------|-------------|----|-------------|-------------|-------------|----|-----|----|-----|-----|----|-------------|-------------|-------------|-------------|-------------|-------------|
| $\chi_{42}^{(136)}$ | $-\text{A}$ | $-\text{A}$ | $-\text{I}$ | 3 | $-\text{I}$ | $-\text{I}$ | $-\text{I}$ | 3 | $-\text{A}$ | $-\text{I}$ | $-\text{A}$ | . | . | . | . | . | . | $-\text{A}$ | $-\text{I}$ | $-\text{A}$ | $-\text{A}$ | $-\text{A}$ | $-\text{I}$ |
| $\chi_{42}^{(137)}$ | A | /A | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(138)}$ | /A | A | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(142)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(143)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(144)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(145)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(146)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(147)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(148)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(149)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(150)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| χ_{42} | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | 100 | | | | | | | | | | 110 | | | | | | | | | | | | |
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(5)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(9)}$ | /A | 1 | A | /A | 1 | A | /A | 1 | A | A | /A | 1 | /A | 1 | A | /A | 1 | A | /A | 1 | A | A | /A |
| $\chi_{42}^{(10)}$ | A | 1 | /A | A | 1 | /A | A | 1 | /A | /A | A | 1 | A | 1 | /A | A | 1 | /A | A | 1 | /A | /A | A |
| $\chi_{42}^{(11)}$ | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -A | -/A |
| $\chi_{42}^{(12)}$ | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -/A | -A |
| $\chi_{42}^{(13)}$ | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -A | -/A | -1 | | | | | | | | | | | |

| | 100 | | | | | | | | | | 110 | | | | | | | | | |
|--------------------|-----|---|---|---|---|---|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|
| $\chi_{42}^{(32)}$ | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{42}^{(33)}$ | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{42}^{(34)}$ | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | B | 2 | /B | /B | B |
| $\chi_{42}^{(35)}$ | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | /B | 2 | B | /B | 2 |
| $\chi_{42}^{(36)}$ | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | B | 2 | /B | /B | B |
| $\chi_{42}^{(37)}$ | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | -/B | -2 | -B | -B | -/B |
| $\chi_{42}^{(38)}$ | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | -B | -2 | -/B | -/B | -B |
| $\chi_{42}^{(39)}$ | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | -/B | -2 | -B | -B | -/B |
| $\chi_{42}^{(40)}$ | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | -B | -2 | -/B | -/B | -B |
| $\chi_{42}^{(41)}$ | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | /B | 2 | B | -/A | -1 |
| $\chi_{42}^{(42)}$ | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | B | 2 | /B | -A | -1 |
| $\chi_{42}^{(43)}$ | . | . | . | . | . | . | /B | 2 | B | B | /B | 2 | /B | 2 | B | /B | 2 | B | -/A | -1 |
| $\chi_{42}^{(44)}$ | . | . | . | . | . | . | B | 2 | /B | /B | B | 2 | B | 2 | /B | B | 2 | /B | -A | -1 |
| $\chi_{42}^{(45)}$ | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | -/B | -2 | -B | /A | 1 |
| $\chi_{42}^{(46)}$ | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | -B | -2 | -/B | A | 1 |
| $\chi_{42}^{(47)}$ | . | . | . | . | . | . | -/B | -2 | -B | -B | -/B | -2 | -/B | -2 | -B | -/B | -2 | -B | /A | 1 |
| $\chi_{42}^{(48)}$ | . | . | . | . | . | . | -B | -2 | -/B | -/B | -B | -2 | -B | -2 | -/B | -B | -2 | -/B | A | 1 |
| $\chi_{42}^{(49)}$ | . | . | . | . | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{42}^{(50)}$ | . | . | . | . | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{42}^{(51)}$ | . | . | . | . | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{42}^{(52)}$ | . | . | . | . | . | . | -4 | -4 | -4 | 4 | 4 | 4 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{42}^{(53)}$ | . | . | . | . | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{42}^{(54)}$ | . | . | . | . | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{42}^{(55)}$ | . | . | . | . | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{42}^{(56)}$ | . | . | . | . | . | . | 4 | 4 | 4 | -4 | -4 | -4 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{42}^{(57)}$ | . | . | . | . | . | . | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 |
| $\chi_{42}^{(58)}$ | . | . | . | . | . | . | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | 2 | 2 |
| $\chi_{42}^{(59)}$ | . | . | . | . | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{42}^{(60)}$ | . | . | . | . | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | . | . | . | -A | -1 |
| $\chi_{42}^{(61)}$ | . | . | . | . | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{42}^{(62)}$ | . | . | . | . | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | . | . | . | -A | -1 |
| $\chi_{42}^{(63)}$ | . | . | . | . | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{42}^{(64)}$ | . | . | . | . | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | . | . | . | -A | -1 |
| $\chi_{42}^{(65)}$ | . | . | . | . | . | . | -/C | -4 | -C | C | /C | 4 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{42}^{(66)}$ | . | . | . | . | . | . | -C | -4 | -/C | /C | C | 4 | . | . | . | . | . | . | -A | -1 |
| $\chi_{42}^{(67)}$ | . | . | . | . | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | . | . | . | /A | 1 |
| $\chi_{42}^{(68)}$ | . | . | . | . | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | . | . | . | A | 1 |
| $\chi_{42}^{(69)}$ | . | . | . | . | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | . | . | . | /A | 1 |
| $\chi_{42}^{(70)}$ | . | . | . | . | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | . | . | . | A | 1 |
| $\chi_{42}^{(71)}$ | . | . | . | . | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | . | . | . | /A | 1 |
| $\chi_{42}^{(72)}$ | . | . | . | . | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | . | . | . | A | 1 |
| $\chi_{42}^{(73)}$ | . | . | . | . | . | . | /C | 4 | C | -C | -/C | -4 | . | . | . | . | . | . | /A | 1 |
| $\chi_{42}^{(74)}$ | . | . | . | . | . | . | C | 4 | /C | -/C | -C | -4 | . | . | . | . | . | . | A | 1 |
| $\chi_{42}^{(75)}$ | . | . | . | . | . | . | /C | 4 | C | C | /C | 4 | /C | 4 | C | /C | 4 | C | -/B | -2 |

| | 100 | | | | | | | | | | 110 | | | | | | | | | | | | |
|---------------------|-----|----|-----|----|----|----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|----|-----|-----|-----|
| $\chi_{42}^{(76)}$ | . | . | . | . | . | . | C | 4 | /C | /C | C | 4 | C | 4 | /C | C | 4 | /C | -B | -2 | -/B | -/B | -B |
| $\chi_{42}^{(77)}$ | . | . | . | . | . | . | -/C | -4 | -C | -C | -/C | -4 | -/C | -4 | -C | -/C | -4 | -C | /B | 2 | B | B | /B |
| $\chi_{42}^{(78)}$ | . | . | . | . | . | . | -C | -4 | -/C | -/C | -C | -4 | -C | -4 | -/C | -C | -4 | -/C | B | 2 | /B | /B | B |
| $\chi_{42}^{(79)}$ | -2 | -2 | -2 | . | . | . | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{42}^{(80)}$ | 2 | 2 | 2 | . | . | . | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . |
| $\chi_{42}^{(81)}$ | 2 | 2 | 2 | . | . | . | -6 | -6 | -6 | -6 | -6 | -6 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{42}^{(82)}$ | -2 | -2 | -2 | . | . | . | -6 | -6 | -6 | -6 | -6 | -6 | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . |
| $\chi_{42}^{(83)}$ | -/B | -2 | -B | . | . | . | /D | 6 | D | D | /D | 6 | -/B | -2 | -B | /B | 2 | B | . | . | . | . | . |
| $\chi_{42}^{(84)}$ | -B | -2 | -/B | . | . | . | D | 6 | /D | /D | D | 6 | -B | -2 | -/B | B | 2 | /B | . | . | . | . | . |
| $\chi_{42}^{(85)}$ | /B | 2 | B | . | . | . | /D | 6 | D | D | /D | 6 | -/B | -2 | -B | /B | 2 | B | . | . | . | . | . |
| $\chi_{42}^{(86)}$ | B | 2 | /B | . | . | . | D | 6 | /D | /D | D | 6 | -B | -2 | -/B | B | 2 | /B | . | . | . | . | . |
| $\chi_{42}^{(87)}$ | /B | 2 | B | . | . | . | -/D | -6 | -D | -D | -/D | -6 | /B | 2 | B | -/B | -2 | -B | . | . | . | . | . |
| $\chi_{42}^{(88)}$ | B | 2 | /B | . | . | . | -D | -6 | -/D | -/D | -D | -6 | B | 2 | /B | -B | -2 | -/B | . | . | . | . | . |
| $\chi_{42}^{(89)}$ | -/B | -2 | -B | . | . | . | -/D | -6 | -D | -D | -/D | -6 | /B | 2 | B | -/B | -2 | -B | . | . | . | . | . |
| $\chi_{42}^{(90)}$ | -B | -2 | -/B | . | . | . | -D | -6 | -/D | -/D | -D | -6 | B | 2 | /B | -B | -2 | -/B | . | . | . | . | . |
| $\chi_{42}^{(91)}$ | . | . | . | . | . | . | -8 | -8 | -8 | 8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 |
| $\chi_{42}^{(92)}$ | . | . | . | . | . | . | -8 | -8 | -8 | 8 | 8 | 8 | . | . | . | . | . | . | 1 | 1 | 1 | -1 | -1 |
| $\chi_{42}^{(93)}$ | . | . | . | . | . | . | -8 | -8 | -8 | 8 | 8 | 8 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 |
| $\chi_{42}^{(94)}$ | . | . | . | . | . | . | -8 | -8 | -8 | 8 | 8 | 8 | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 |
| $\chi_{42}^{(95)}$ | . | . | . | . | . | . | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{42}^{(96)}$ | . | . | . | . | . | . | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | -1 | -1 | -1 | 1 | 1 |
| $\chi_{42}^{(97)}$ | . | . | . | . | . | . | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 |
| $\chi_{42}^{(98)}$ | . | . | . | . | . | . | 8 | 8 | 8 | -8 | -8 | -8 | . | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 |
| $\chi_{42}^{(99)}$ | . | . | . | . | . | . | -/E | -8 | -E | E | /E | 8 | . | . | . | . | . | . | /A | 1 | A | -A | -/A |
| $\chi_{42}^{(100)}$ | . | . | . | . | . | . | -E | -8 | -/E | /E | E | 8 | . | . | . | . | . | . | A | 1 | /A | -/A | -A |
| $\chi_{42}^{(101)}$ | . | . | . | . | . | . | -/E | -8 | -E | E | /E | 8 | . | . | . | . | . | . | /A | 1 | A | -A | -/A |
| $\chi_{42}^{(102)}$ | . | . | . | . | . | . | -E | -8 | -/E | /E | E | 8 | . | . | . | . | . | . | A | 1 | /A | -/A | -A |
| $\chi_{42}^{(103)}$ | . | . | . | . | . | . | -/E | -8 | -E | E | /E | 8 | . | . | . | . | . | . | -/B | -2 | -B | B | /B |
| $\chi_{42}^{(104)}$ | . | . | . | . | . | . | -E | -8 | -/E | /E | E | 8 | . | . | . | . | . | . | -B | -2 | -/B | /B | B |
| $\chi_{42}^{(105)}$ | . | . | . | . | . | . | -/E | -8 | -E | E | /E | 8 | . | . | . | . | . | . | -/B | -2 | -B | B | /B |
| $\chi_{42}^{(106)}$ | . | . | . | . | . | . | -E | -8 | -/E | /E | E | 8 | . | . | . | . | . | . | -B | -2 | -/B | /B | B |
| $\chi_{42}^{(107)}$ | . | . | . | . | . | . | /E | 8 | E | -E | -/E | -8 | . | . | . | . | . | . | -/A | -1 | -A | A | /A |
| $\chi_{42}^{(108)}$ | . | . | . | . | . | . | E | 8 | /E | -/E | -E | -8 | . | . | . | . | . | . | -A | -1 | -/A | /A | A |
| $\chi_{42}^{(109)}$ | . | . | . | . | . | . | /E | 8 | E | -E | -/E | -8 | . | . | . | . | . | . | -/A | -1 | -A | A | /A |
| $\chi_{42}^{(110)}$ | . | . | . | . | . | . | E | 8 | /E | -/E | -E | -8 | . | . | . | . | . | . | -A | -1 | -/A | /A | A |
| $\chi_{42}^{(111)}$ | . | . | . | . | . | . | /E | 8 | E | -E | -/E | -8 | . | . | . | . | . | . | /B | 2 | B | -B | -/B |
| $\chi_{42}^{(112)}$ | . | . | . | . | . | . | E | 8 | /E | -/E | -E | -8 | . | . | . | . | . | . | B | 2 | /B | -/B | -B |
| $\chi_{42}^{(113)}$ | . | . | . | . | . | . | /E | 8 | E | -E | -/E | -8 | . | . | . | . | . | . | /B | 2 | B | -B | -/B |
| $\chi_{42}^{(114)}$ | . | . | . | . | . | . | E | 8 | /E | -/E | -E | -8 | . | . | . | . | . | . | B | 2 | /B | -/B | -B |
| $\chi_{42}^{(115)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{42}^{(116)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{42}^{(117)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{42}^{(118)}$ | 1 | 1 | 1 | -1 | -1 | -1 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | . | . |
| $\chi_{42}^{(119)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -9 | -9 | -9 | -9 | -9 | -9 | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | . | . |
| $\chi_{42}^{(120)}$ | -1 | -1 | -1 | 1 | 1 | 1 | -9 | -9 | -9 | -9 | -9 | -9 | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | . | . |

| | 110 | | | | | | | | | 120 | | | | | | | | | 130 | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|---|---|---|---|
| $\chi_{42}^{(106)}$ | 2 | C | 4 | /C | -/C | -C | -4 | . | . | . | A | 1 | /A | -/A | -A | -1 | . | . | . | B | 2 | /B | -/B | | | | |
| $\chi_{42}^{(107)}$ | 1 | . | . | . | . | . | . | . | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | -/B | -2 | -B | B | | | | |
| $\chi_{42}^{(108)}$ | 1 | . | . | . | . | . | . | . | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | -B | -2 | -/B | /B | | | | |
| $\chi_{42}^{(109)}$ | 1 | . | . | . | . | . | . | . | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | -/B | -2 | -B | B | | | | |
| $\chi_{42}^{(110)}$ | 1 | . | . | . | . | . | . | . | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | -B | -2 | -/B | /B | | | | |
| $\chi_{42}^{(111)}$ | -2 | -/C | -4 | -C | C | /C | 4 | . | . | . | -/A | -1 | -A | A | /A | 1 | . | . | . | -/B | -2 | -B | B | | | | |
| $\chi_{42}^{(112)}$ | -2 | -C | -4 | -/C | /C | C | 4 | . | . | . | -A | -1 | -/A | /A | A | 1 | . | . | . | -B | -2 | -/B | /B | | | | |
| $\chi_{42}^{(113)}$ | -2 | /C | 4 | C | -C | -/C | -4 | . | . | . | -/A | -1 | -A | A | /A | 1 | . | . | . | -/B | -2 | -B | B | | | | |
| $\chi_{42}^{(114)}$ | -2 | C | 4 | /C | -/C | -C | -4 | . | . | . | -A | -1 | -/A | /A | A | 1 | . | . | . | -B | -2 | -/B | /B | | | | |
| $\chi_{42}^{(115)}$ | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(116)}$ | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(117)}$ | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(118)}$ | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(119)}$ | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(120)}$ | . | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(121)}$ | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(122)}$ | . | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(123)}$ | . | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(124)}$ | . | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(125)}$ | . | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(126)}$ | . | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(127)}$ | . | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(128)}$ | . | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(129)}$ | . | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(130)}$ | . | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(131)}$ | . | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(132)}$ | . | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(133)}$ | . | /I | -3 | I | I | /I | -3 | /A | 1 | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(134)}$ | . | I | -3 | /I | /I | I | -3 | A | 1 | /A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(135)}$ | . | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(136)}$ | . | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(137)}$ | . | -/I | 3 | -I | -I | -/I | 3 | -/A | -1 | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(138)}$ | . | -I | 3 | -/I | -/I | -I | 3 | -A | -1 | -/A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -3 | | | | |
| $\chi_{42}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 3 | | | | |
| $\chi_{42}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /A | 1 | A | /I | -3 | I | I | | | | |
| $\chi_{42}^{(142)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | A | 1 | /A | I | -3 | /I | /I | | | | |
| $\chi_{42}^{(143)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/A | -1 | -A | -/I | 3 | -I | -I | | | | |
| $\chi_{42}^{(144)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | -1 | -/A | -I | 3 | -/I | -/I | | | | |
| $\chi_{42}^{(145)}$ | -2 | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | . | . | . | -2 | -2 | -2 | 2 | | | | |
| $\chi_{42}^{(146)}$ | 2 | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | 2 | 2 | 2 | -2 | | | | |
| $\chi_{42}^{(147)}$ | -2 | . | . | . | . | . | . | . | . | . | /B | 2 | B | -B | -/B | -2 | . | . | . | -/B | -2 | -B | B | | | | |
| $\chi_{42}^{(148)}$ | -2 | . | . | . | . | . | . | . | . | . | B | 2 | /B | -/B | -B | -2 | . | . | . | -B | -2 | -/B | /B | | | | |
| $\chi_{42}^{(149)}$ | 2 | . | . | . | . | . | . | . | . | . | -/B | -2 | -B | B | /B | 2 | . | . | . | /B | 2 | B | -B | | | | |
| $\chi_{42}^{(150)}$ | 2 | . | . | . | . | . | . | . | . | . | -B | -2 | -/B | /B | B | 2 | . | . | . | B | 2 | /B | -/B | | | | |

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|--------------------|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{42}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(2)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(3)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(4)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(5)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(7)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(9)}$ | /A | 1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(10)}$ | A | 1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(11)}$ | -/A | -1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(12)}$ | -A | -1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(13)}$ | -/A | -1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(14)}$ | -A | -1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(15)}$ | /A | 1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(16)}$ | A | 1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(17)}$ | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(18)}$ | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(19)}$ | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(20)}$ | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(21)}$ | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(22)}$ | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(23)}$ | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(24)}$ | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(25)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(26)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(27)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{42}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{42}^{(29)}$ | -1 | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(30)}$ | -1 | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(31)}$ | 1 | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(32)}$ | 1 | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(33)}$ | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(34)}$ | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(35)}$ | -/A | -1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(36)}$ | -A | -1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(37)}$ | /A | 1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{42}^{(38)}$ | A | 1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{42}^{(39)}$ | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{42}^{(40)}$ | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{42}^{(41)}$ | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(42)}$ | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(43)}$ | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(44)}$ | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(45)}$ | /A | 1 | . | . | . | . | . | . |

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|--------------------|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{42}^{(46)}$ | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(47)}$ | /A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(48)}$ | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(49)}$ | 2 | 2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(50)}$ | 2 | 2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(51)}$ | 2 | 2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(52)}$ | 2 | 2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(53)}$ | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(54)}$ | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(55)}$ | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(56)}$ | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(57)}$ | 1 | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(58)}$ | -1 | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(59)}$ | /B | 2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(60)}$ | B | 2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(61)}$ | /B | 2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(62)}$ | B | 2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(63)}$ | /B | 2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(64)}$ | B | 2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(65)}$ | /B | 2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(66)}$ | B | 2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(67)}$ | -/B | -2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(68)}$ | -B | -2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(69)}$ | -/B | -2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(70)}$ | -B | -2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(71)}$ | -/B | -2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(72)}$ | -B | -2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(73)}$ | -/B | -2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(74)}$ | -B | -2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(75)}$ | /A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(76)}$ | A | 1 | . | . | . | . | . | . |
| $\chi_{42}^{(77)}$ | -/A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(78)}$ | -A | -1 | . | . | . | . | . | . |
| $\chi_{42}^{(79)}$ | 3 | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(80)}$ | 3 | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(81)}$ | -3 | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(82)}$ | -3 | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(83)}$ | -/I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(84)}$ | -I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(85)}$ | -/I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(86)}$ | -I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(87)}$ | /I | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(88)}$ | I | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(89)}$ | /I | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(90)}$ | I | -3 | . | . | . | . | . | . |

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|---------------------|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{42}^{(91)}$ | -2 | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(92)}$ | -2 | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(93)}$ | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(94)}$ | -2 | -2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(95)}$ | 2 | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(96)}$ | 2 | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(97)}$ | 2 | 2 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{42}^{(98)}$ | 2 | 2 | -1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{42}^{(99)}$ | -/B | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(100)}$ | -B | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(101)}$ | -/B | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(102)}$ | -B | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(103)}$ | -/B | -2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(104)}$ | -B | -2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(105)}$ | -/B | -2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(106)}$ | -B | -2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(107)}$ | /B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(108)}$ | B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(109)}$ | /B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(110)}$ | B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(111)}$ | /B | 2 | /A | 1 | A | -A | -/A | -1 |
| $\chi_{42}^{(112)}$ | B | 2 | A | 1 | /A | -/A | -A | -1 |
| $\chi_{42}^{(113)}$ | /B | 2 | -/A | -1 | -A | A | /A | 1 |
| $\chi_{42}^{(114)}$ | B | 2 | -A | -1 | -/A | /A | A | 1 |
| $\chi_{42}^{(115)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(116)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(117)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(118)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(119)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(120)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(121)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(122)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(123)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(124)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(125)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(126)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(127)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(128)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(129)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(130)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(131)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(132)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(133)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(134)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(135)}$ | . | . | . | . | . | . | . | . |

| | 150 | | | | | | | |
|---------------------|-----|----|---|---|---|---|---|---|
| $\chi_{42}^{(136)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(137)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(138)}$ | . | . | . | . | . | . | . | . |
| $\chi_{42}^{(139)}$ | -3 | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(140)}$ | 3 | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(141)}$ | /I | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(142)}$ | I | -3 | . | . | . | . | . | . |
| $\chi_{42}^{(143)}$ | -/I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(144)}$ | -I | 3 | . | . | . | . | . | . |
| $\chi_{42}^{(145)}$ | 2 | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(146)}$ | -2 | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(147)}$ | /B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(148)}$ | B | 2 | . | . | . | . | . | . |
| $\chi_{42}^{(149)}$ | -/B | -2 | . | . | . | . | . | . |
| $\chi_{42}^{(150)}$ | -B | -2 | . | . | . | . | . | . |

where $A = E(3)^2 = (-1 \cdot \text{ER}(-3))/2 = -1 \cdot b3$, $B = 2 \cdot E(3)^2 = -1 \cdot \text{ER}(-3) = -1 \cdot i3$, $C = 4 \cdot E(3)^2 = -2 \cdot 2 \cdot \text{ER}(-3) = -2 \cdot 2i3$, $D = 6 \cdot E(3)^2 = -3 \cdot 3 \cdot \text{ER}(-3) = -3 \cdot 3i3$, $E = 8 \cdot E(3)^2 = -4 \cdot 4 \cdot \text{ER}(-3) = -4 \cdot 4i3$, $F = 9 \cdot E(3)^2 = (-9 \cdot 9 \cdot \text{ER}(-3))/2 = -9 \cdot 9b3$, $G = 12 \cdot E(3)^2 = -6 \cdot 6 \cdot \text{ER}(-3) = -6 \cdot 6i3$, $H = 16 \cdot E(3)^2 = -8 \cdot 8 \cdot \text{ER}(-3) = -8 \cdot 8i3$, $I = -3 \cdot E(3)^2 = (3 + 3 \cdot \text{ER}(-3))/2 = 3 + 3b3$.

The generators of $G^{s_{43}}$ are:

$$\begin{pmatrix} 1 & 1 & -1 & 0 & 0 & 1 & -2 & 0 \\ 2 & 1 & -3 & 1 & 0 & 1 & -2 & 0 \\ 2 & 2 & -3 & 1 & 0 & 1 & -3 & 0 \\ 3 & 2 & -5 & 2 & 0 & 2 & -5 & 1 \\ 2 & 2 & -4 & 1 & 1 & 1 & -4 & 1 \\ 1 & 2 & -3 & 1 & 0 & 1 & -3 & 1 \\ 1 & 2 & -2 & 0 & 0 & 1 & -2 & 1 \\ 0 & 1 & -1 & 0 & 0 & 1 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & -1 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 1 & 0 & -1 & 0 & 0 & 1 & 0 \\ 0 & 2 & 0 & -1 & 0 & 0 & 1 & 0 \\ 0 & 2 & 1 & -2 & 0 & 0 & 2 & 0 \\ 0 & 3 & 0 & -2 & 0 & 0 & 3 & 0 \\ 0 & 2 & 0 & -1 & -1 & 1 & 2 & 0 \\ 0 & 1 & 0 & -1 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix},$$

$$\begin{pmatrix} 1 & 1 & 0 & -1 & 1 & -1 & 0 & 1 \\ 0 & 2 & 0 & -1 & 1 & -1 & 0 & 1 \\ 0 & 2 & 1 & -2 & 2 & -2 & 0 & 2 \\ 0 & 3 & 0 & -2 & 3 & -3 & 0 & 3 \\ 0 & 3 & 0 & -2 & 2 & -2 & 0 & 3 \\ 0 & 2 & 0 & -1 & 1 & -1 & -1 & 3 \\ 0 & 1 & 0 & 0 & 0 & -1 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & -1 & 0 & 0 & 2 & -2 & 0 \\ 2 & 1 & -2 & 0 & 0 & 2 & -2 & -1 \\ 2 & 1 & -2 & 0 & 0 & 3 & -3 & -1 \\ 4 & 1 & -3 & 0 & 0 & 4 & -4 & -2 \\ 3 & 1 & -2 & 0 & -1 & 4 & -3 & -2 \\ 2 & 1 & -1 & -1 & 0 & 3 & -2 & -2 \\ 2 & 1 & -1 & -1 & 0 & 2 & -1 & -1 \\ 1 & 1 & 0 & -1 & 0 & 1 & -1 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{43}}$ are:

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} -2 & -1 & 1 & 1 & 0 & -1 & 1 & -1 \\ -2 & -2 & 2 & 1 & 0 & -2 & 2 & -1 \\ -3 & -3 & 2 & 2 & 0 & -2 & 2 & -2 \\ -4 & -4 & 4 & 2 & 0 & -3 & 3 & -3 \\ -3 & -3 & 3 & 2 & -1 & -2 & 3 & -3 \\ -2 & -2 & 2 & 1 & 0 & -2 & 3 & -3 \\ -2 & -1 & 2 & 0 & 0 & -1 & 2 & -2 \\ -1 & 0 & 1 & 0 & 0 & -1 & 1 & -1 \end{pmatrix}, \begin{pmatrix} -2 & -1 & 2 & 0 & 0 & 0 & 0 & 0 \\ -3 & -1 & 3 & 0 & 0 & -1 & 1 & -1 \\ -4 & -2 & 4 & 0 & 0 & 0 & 0 & -1 \\ -5 & -3 & 6 & 0 & 0 & -1 & 1 & -2 \\ -4 & -2 & 5 & -1 & 1 & -1 & 1 & -2 \\ -3 & -1 & 4 & -1 & 0 & 0 & 1 & -2 \\ -2 & -1 & 3 & -1 & 0 & 0 & 1 & -1 \\ -1 & 0 & 2 & -1 & 0 & 0 & 0 & 0 \end{pmatrix},$$

[illegible]

$$\begin{pmatrix} 2 & 0 & -2 & 0 & 1 & 0 & 0 & -1 \\ 3 & 0 & -3 & 0 & 1 & 1 & -1 & 0 \\ 4 & 0 & -4 & 0 & 2 & 0 & 0 & -1 \\ 5 & 0 & -6 & 0 & 3 & 1 & -1 & -1 \\ 4 & 0 & -5 & 0 & 2 & 1 & 0 & -1 \\ 3 & -1 & -4 & 1 & 1 & 1 & 0 & -1 \\ 2 & 0 & -3 & 1 & 0 & 1 & 0 & -1 \\ 1 & 0 & -2 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -2 & 1 & 0 & 0 & -1 & 0 \\ 3 & 0 & -3 & 1 & 0 & 1 & -2 & 1 \\ 4 & 0 & -4 & 2 & 0 & 0 & -2 & 1 \\ 5 & 0 & -6 & 3 & 0 & 1 & -4 & 2 \\ 4 & 0 & -5 & 2 & 1 & 0 & -3 & 2 \\ 3 & 0 & -4 & 2 & 0 & 0 & -2 & 2 \\ 2 & 1 & -3 & 1 & 0 & 0 & -1 & 1 \\ 1 & 0 & -2 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -2 & 1 & 0 & 0 & -1 & 0 \\ 3 & 0 & -3 & 1 & 0 & 1 & -2 & 1 \\ 4 & 0 & -4 & 2 & 0 & 0 & -2 & 1 \\ 5 & 0 & -6 & 3 & 0 & 1 & -4 & 2 \\ 4 & 0 & -5 & 3 & -1 & 1 & -3 & 2 \\ 3 & 0 & -4 & 2 & 0 & 0 & -2 & 2 \\ 2 & 1 & -3 & 1 & 0 & 0 & -1 & 1 \\ 1 & 0 & -2 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \\
\begin{pmatrix} 2 & 0 & -1 & -1 & 1 & 1 & -1 & 0 \\ 2 & 1 & -2 & -1 & 1 & 2 & -2 & 0 \\ 3 & 1 & -2 & -2 & 2 & 2 & -2 & 0 \\ 4 & 1 & -4 & -2 & 3 & 3 & -3 & 0 \\ 3 & 0 & -3 & -1 & 2 & 3 & -3 & 0 \\ 2 & 0 & -2 & -1 & 1 & 3 & -2 & 0 \\ 2 & 0 & -2 & 0 & 0 & 2 & -1 & 0 \\ 1 & 0 & -1 & 0 & 0 & 1 & -1 & 1 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -1 & -1 & 1 & 1 & -1 & 0 \\ 2 & 1 & -2 & -1 & 1 & 2 & -2 & 0 \\ 3 & 1 & -2 & -2 & 2 & 2 & -2 & 0 \\ 4 & 1 & -4 & -2 & 3 & 3 & -3 & 0 \\ 3 & 1 & -3 & -2 & 2 & 3 & -2 & 0 \\ 2 & 0 & -2 & -1 & 1 & 3 & -2 & 0 \\ 2 & 0 & -2 & 0 & 0 & 2 & -1 & 0 \\ 1 & 0 & -1 & 0 & 0 & 1 & -1 & 1 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -1 & 0 & 0 & 1 & -2 & 1 \\ 2 & 1 & -2 & 0 & 0 & 2 & -3 & 1 \\ 3 & 1 & -2 & 0 & 0 & 2 & -4 & 2 \\ 4 & 1 & -4 & 1 & 0 & 3 & -6 & 3 \\ 3 & 1 & -3 & 1 & -1 & 3 & -5 & 3 \\ 2 & 1 & -2 & 0 & 0 & 2 & -4 & 3 \\ 2 & 1 & -2 & 0 & 0 & 1 & -2 & 2 \\ 1 & 0 & -1 & 0 & 0 & 1 & -1 & 1 \end{pmatrix}, \\
\begin{pmatrix} 2 & 1 & -2 & 0 & 0 & 0 & 0 & 0 \\ 3 & 1 & -3 & 0 & 0 & 1 & -1 & 1 \\ 4 & 2 & -4 & 0 & 0 & 0 & 0 & 1 \\ 5 & 3 & -6 & 0 & 0 & 1 & -1 & 2 \\ 4 & 2 & -5 & 1 & -1 & 1 & -1 & 2 \\ 3 & 1 & -4 & 1 & 0 & 0 & -1 & 2 \\ 2 & 1 & -3 & 1 & 0 & 0 & -1 & 1 \\ 1 & 0 & -2 & 1 & 0 & 0 & 0 & 0 \end{pmatrix}, \begin{pmatrix} 2 & 1 & -1 & -1 & 0 & 1 & -1 & 1 \\ 2 & 2 & -2 & -1 & 0 & 2 & -2 & 1 \\ 3 & 3 & -2 & -2 & 0 & 2 & -2 & 2 \\ 4 & 4 & -4 & -2 & 0 & 3 & -3 & 3 \\ 3 & 3 & -3 & -1 & -1 & 3 & -3 & 3 \\ 2 & 2 & -2 & -1 & 0 & 2 & -3 & 3 \\ 2 & 1 & -2 & 0 & 0 & 1 & -2 & 2 \\ 1 & 0 & -1 & 0 & 0 & 1 & -1 & 1 \end{pmatrix}.$$

The character table of $G^{s_{43}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | |
|--------------------|----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| $\chi_{43}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{43}^{(2)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{43}^{(3)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 |
| $\chi_{43}^{(4)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{43}^{(5)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{43}^{(6)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{43}^{(7)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(8)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{43}^{(9)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{43}^{(10)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{43}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{43}^{(12)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{43}^{(13)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{43}^{(14)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{43}^{(15)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{43}^{(16)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{43}^{(17)}$ | 1 | A | -A | A | -A | A | -A | -A | A | -A | A | -A | -A | A | -A | -A | A | 1 | -1 | -1 | -A |
| $\chi_{43}^{(18)}$ | 1 | -A | A | -A | A | -A | A | A | -A | A | -A | A | A | -A | A | A | -A | 1 | -1 | -1 | A |
| $\chi_{43}^{(19)}$ | 1 | -A | A | -A | A | -A | A | A | -A | A | A | -A | -A | A | -A | A | -A | -1 | 1 | 1 | A |
| $\chi_{43}^{(20)}$ | 1 | A | -A | A | -A | A | -A | -A | A | -A | -A | A | A | -A | A | -A | A | -1 | 1 | 1 | -A |
| $\chi_{43}^{(21)}$ | 1 | A | -A | A | -A | -A | A | -A | -A | A | A | -A | A | -A | A | -A | A | 1 | -1 | 1 | -A |
| $\chi_{43}^{(22)}$ | 1 | -A | A | -A | A | A | -A | A | A | -A | -A | A | -A | A | -A | A | -A | 1 | -1 | 1 | A |
| $\chi_{43}^{(23)}$ | 1 | -A | A | -A | A | A | -A | A | A | -A | A | -A | A | -A | A | A | -A | -1 | 1 | -1 | A |
| $\chi_{43}^{(24)}$ | 1 | A | -A | A | -A | -A | A | -A | -A | A | -A | A | -A | -A | -A | -A | A | -1 | 1 | -1 | -A |
| $\chi_{43}^{(25)}$ | 1 | 1 | B | -B | -1 | 1 | -1 | B | -B | B | /B | -/B | -/B | /B | -/B | /B | -/B | 1 | -1 | -1 | /B |
| $\chi_{43}^{(26)}$ | 1 | 1 | /B | -/B | -1 | 1 | -1 | /B | -/B | /B | B | -B | -B | B | -B | B | -B | 1 | -1 | -1 | B |
| $\chi_{43}^{(27)}$ | 1 | -1 | -B | B | 1 | -1 | 1 | -B | B | -B | /B | -/B | -/B | /B | -/B | -/B | /B | -1 | 1 | 1 | -B |
| $\chi_{43}^{(28)}$ | 1 | -1 | -/B | /B | 1 | -1 | 1 | -/B | /B | -/B | B | -B | -B | B | -B | -B | B | -1 | 1 | 1 | -/B |
| $\chi_{43}^{(29)}$ | 1 | 1 | B | -B | -1 | 1 | -1 | B | -B | B | -/B | /B | /B | -/B | /B | /B | -/B | -1 | 1 | 1 | B |
| $\chi_{43}^{(30)}$ | 1 | 1 | /B | -/B | -1 | 1 | -1 | /B | -/B | /B | -B | B | B | -B | B | B | -B | -1 | 1 | 1 | -/B |
| $\chi_{43}^{(31)}$ | 1 | -1 | -B | B | 1 | -1 | 1 | -B | B | -B | -/B | /B | /B | -/B | /B | -/B | /B | 1 | -1 | -1 | -B |
| $\chi_{43}^{(32)}$ | 1 | -1 | -/B | /B | 1 | -1 | 1 | -/B | /B | -/B | -B | B | B | -B | B | -B | B | 1 | -1 | -1 | -/B |
| $\chi_{43}^{(33)}$ | 1 | A | C | -C | -A | A | -A | C | -C | C | /C | -/C | -/C | /C | -/C | -/C | /C | 1 | -1 | -1 | -B |
| $\chi_{43}^{(34)}$ | 1 | -A | -C | C | A | -A | A | -C | C | -C | -/C | /C | /C | -/C | /C | /C | -/C | 1 | -1 | -1 | B |
| $\chi_{43}^{(35)}$ | 1 | A | -/C | /C | -A | A | -A | -/C | /C | -/C | -C | C | C | -C | C | C | -C | 1 | -1 | -1 | /B |
| $\chi_{43}^{(36)}$ | 1 | -A | /C | -/C | A | -A | A | /C | -/C | /C | C | -C | -C | C | -C | -C | C | 1 | -1 | -1 | /B |
| $\chi_{43}^{(37)}$ | 1 | -A | -C | C | A | -A | A | -C | C | -C | /C | -/C | -/C | /C | -/C | /C | -/C | -1 | 1 | 1 | -B |
| $\chi_{43}^{(38)}$ | 1 | A | C | -C | -A | A | -A | C | -C | C | -/C | /C | /C | -/C | /C | -/C | /C | -1 | 1 | 1 | -B |
| $\chi_{43}^{(39)}$ | 1 | -A | /C | -/C | A | -A | A | /C | -/C | /C | -C | C | C | -C | C | -C | C | -1 | 1 | 1 | /B |
| $\chi_{43}^{(40)}$ | 1 | A | -/C | /C | -A | A | -A | -/C | /C | -/C | C | -C | -C | C | -C | C | -C | -1 | 1 | 1 | -/B |
| $\chi_{43}^{(41)}$ | 1 | 1 | B | -B | -1 | -1 | 1 | B | B | -B | /B | -/B | /B | -/B | /B | /B | -/B | 1 | -1 | 1 | -B |
| $\chi_{43}^{(42)}$ | 1 | 1 | /B | -/B | -1 | -1 | 1 | /B | /B | -/B | B | -B | B | -B | B | B | -B | 1 | -1 | 1 | -/B |
| $\chi_{43}^{(43)}$ | 1 | -1 | -B | B | 1 | 1 | -1 | -B | -B | B | /B | -/B | /B | -/B | /B | -/B | /B | -1 | 1 | -1 | B |
| $\chi_{43}^{(44)}$ | 1 | -1 | -/B | /B | 1 | 1 | -1 | -/B | -/B | /B | B | -B | B | -B | B | -B | B | -1 | 1 | -1 | /B |
| $\chi_{43}^{(45)}$ | 1 | 1 | B | -B | -1 | -1 | 1 | B | B | -B | -/B | /B | -/B | /B | -/B | /B | -/B | -1 | 1 | -1 | B |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | | | | | | | | | | |
|---------------------|-----|-----|-----|----|----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|--|--|--|--|--|--|--|
| $\chi_{43}^{(106)}$ | -2 | . | -2 | . | . | . | . | -E | . | . | . | -E | . | 2 | 2 | 2 | . | . | E | E | . | . | -2 | | | | | | | |
| $\chi_{43}^{(107)}$ | -D | . | -/D | . | . | . | . | F | . | . | . | E | . | 2 | D | /D | . | . | -F | -E | . | . | -/D | | | | | | | |
| $\chi_{43}^{(108)}$ | -/D | . | -D | . | . | . | . | -/F | . | . | . | E | . | 2 | /D | D | . | . | /F | -E | . | . | -D | | | | | | | |
| $\chi_{43}^{(109)}$ | -D | . | -/D | . | . | . | . | -F | . | . | . | -E | . | 2 | D | /D | . | . | F | E | . | . | -/D | | | | | | | |
| $\chi_{43}^{(110)}$ | -/D | . | -D | . | . | . | . | /F | . | . | . | -E | . | 2 | /D | D | . | . | -/F | E | . | . | -D | | | | | | | |
| $\chi_{43}^{(111)}$ | 2 | . | -2 | . | . | . | . | E | . | . | . | E | . | -2 | -2 | 2 | . | . | -E | -E | . | . | 2 | | | | | | | |
| $\chi_{43}^{(112)}$ | 2 | . | -2 | . | . | . | . | -E | . | . | . | -E | . | -2 | -2 | 2 | . | . | E | E | . | . | 2 | | | | | | | |
| $\chi_{43}^{(113)}$ | D | . | -/D | . | . | . | . | F | . | . | . | E | . | -2 | -D | /D | . | . | -F | -E | . | . | /D | | | | | | | |
| $\chi_{43}^{(114)}$ | /D | . | -D | . | . | . | . | -/F | . | . | . | E | . | -2 | -/D | D | . | . | /F | -E | . | . | D | | | | | | | |
| $\chi_{43}^{(115)}$ | D | . | -/D | . | . | . | . | -F | . | . | . | -E | . | -2 | -D | /D | . | . | F | E | . | . | /D | | | | | | | |
| $\chi_{43}^{(116)}$ | /D | . | -D | . | . | . | . | /F | . | . | . | -E | . | -2 | -/D | D | . | . | -/F | E | . | . | D | | | | | | | |
| $\chi_{43}^{(117)}$ | -D | . | /D | . | . | . | . | D | . | . | . | 2 | . | 2 | D | -/D | . | . | -D | -2 | . | . | -/D | | | | | | | |
| $\chi_{43}^{(118)}$ | -/D | . | D | . | . | . | . | /D | . | . | . | 2 | . | 2 | /D | -D | . | . | -/D | -2 | . | . | -D | | | | | | | |
| $\chi_{43}^{(119)}$ | -D | . | /D | . | . | . | . | -D | . | . | . | -2 | . | 2 | D | -/D | . | . | D | 2 | . | . | -/D | | | | | | | |
| $\chi_{43}^{(120)}$ | -/D | . | D | . | . | . | . | -/D | . | . | . | -2 | . | 2 | /D | -D | . | . | /D | 2 | . | . | -D | | | | | | | |
| | 50 | | | | | | | | | | 60 | | | | | | | | | | 70 | | | | | | | | | |
| $\chi_{43}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{43}^{(2)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(3)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(4)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(5)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(6)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(7)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(8)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(9)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(10)}$ | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | |
| $\chi_{43}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{43}^{(12)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{43}^{(13)}$ | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | | | | | | | |
| $\chi_{43}^{(14)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| $\chi_{43}^{(15)}$ | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(16)}$ | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(17)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(18)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(19)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(20)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(21)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(22)}$ | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | | | | | | | |
| $\chi_{43}^{(23)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(24)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | | | | | | | |
| $\chi_{43}^{(25)}$ | -/B | -B | B | 1 | -1 | /B | -B | B | -B | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -B | B | B | -B | -/B | /B | -1 | | | | | | | |
| $\chi_{43}^{(26)}$ | -B | -/B | /B | 1 | -1 | B | -/B | /B | -/B | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -/B | /B | /B | -/B | -B | B | -1 | | | | | | | |
| $\chi_{43}^{(27)}$ | /B | -B | B | 1 | -1 | -/B | -B | B | -B | 1 | -1 | 1 | -1 | 1 | 1 | -1 | B | -B | -B | B | -/B | /B | 1 | | | | | | | |
| $\chi_{43}^{(28)}$ | B | -/B | /B | 1 | -1 | -B | -/B | /B | -/B | 1 | -1 | 1 | -1 | 1 | 1 | -1 | /B | -/B | -/B | /B | -B | B | 1 | | | | | | | |
| $\chi_{43}^{(29)}$ | /B | -B | B | 1 | -1 | -/B | -B | B | -B | 1 | -1 | 1 | -1 | 1 | 1 | -1 | B | -B | -B | B | -/B | /B | 1 | | | | | | | |
| $\chi_{43}^{(30)}$ | B | -/B | /B | 1 | -1 | -B | -/B | /B | -/B | 1 | -1 | 1 | -1 | 1 | 1 | -1 | /B | -/B | -/B | /B | -B | B | 1 | | | | | | | |

| | 80 | | | | | | | | | | 90 | | | | | | | | | |
|--------------------|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-----|-----|
| $\chi_{43}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{43}^{(2)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(3)}$ | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(4)}$ | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(5)}$ | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{43}^{(6)}$ | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 |
| $\chi_{43}^{(7)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(8)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 |
| $\chi_{43}^{(9)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(10)}$ | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{43}^{(11)}$ | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | -1 |
| $\chi_{43}^{(12)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 |
| $\chi_{43}^{(13)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 |
| $\chi_{43}^{(14)}$ | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{43}^{(15)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{43}^{(16)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{43}^{(17)}$ | -1 | 1 | A | -A | A | -A | -1 | 1 | 1 | -1 | 1 | -1 | -A | -1 | A | -A | A | -A | A | -A |
| $\chi_{43}^{(18)}$ | -1 | 1 | -A | A | -A | A | -1 | 1 | 1 | -1 | 1 | -1 | A | -1 | -A | A | -A | -A | A | -A |
| $\chi_{43}^{(19)}$ | -1 | 1 | -A | A | -A | A | 1 | -1 | -1 | 1 | 1 | -1 | A | -1 | -A | A | -A | -A | A | -A |
| $\chi_{43}^{(20)}$ | -1 | 1 | A | -A | A | -A | 1 | -1 | -1 | 1 | 1 | -1 | -A | -1 | A | -A | A | -A | A | -A |
| $\chi_{43}^{(21)}$ | 1 | -1 | A | -A | A | -A | -1 | 1 | -1 | 1 | 1 | -1 | -A | -1 | A | A | -A | A | -A | A |
| $\chi_{43}^{(22)}$ | 1 | -1 | -A | A | -A | A | -1 | 1 | -1 | 1 | 1 | -1 | A | -1 | -A | -A | A | -A | A | -A |
| $\chi_{43}^{(23)}$ | 1 | -1 | -A | A | -A | A | 1 | -1 | 1 | -1 | 1 | -1 | A | -1 | -A | -A | A | -A | A | -A |
| $\chi_{43}^{(24)}$ | 1 | -1 | A | -A | A | -A | 1 | -1 | 1 | -1 | 1 | -1 | -A | -1 | A | A | -A | A | -A | -A |
| $\chi_{43}^{(25)}$ | /B | -/B | -1 | 1 | B | -B | -/B | /B | /B | -/B | -B | B | -1 | -1 | -1 | 1 | -1 | B | -B | B |
| $\chi_{43}^{(26)}$ | B | -B | -1 | 1 | /B | -/B | -B | B | B | -B | -/B | /B | -1 | -1 | -1 | 1 | -1 | /B | -/B | /B |
| $\chi_{43}^{(27)}$ | /B | -/B | 1 | -1 | -B | B | /B | -/B | -/B | /B | -B | B | 1 | -1 | 1 | -1 | 1 | -B | B | -B |
| $\chi_{43}^{(28)}$ | B | -B | 1 | -1 | -/B | /B | B | -B | -B | B | -/B | /B | 1 | -1 | 1 | -1 | 1 | -/B | /B | -/B |
| $\chi_{43}^{(29)}$ | /B | -/B | -1 | 1 | B | -B | /B | -/B | -/B | /B | -B | B | -1 | -1 | -1 | 1 | -1 | B | -B | B |
| $\chi_{43}^{(30)}$ | B | -B | -1 | 1 | /B | -/B | B | -B | -B | B | -/B | /B | -1 | -1 | -1 | 1 | -1 | /B | -/B | /B |
| $\chi_{43}^{(31)}$ | /B | -/B | 1 | -1 | -B | B | -/B | /B | /B | -/B | -B | B | 1 | -1 | 1 | -1 | 1 | -B | B | -B |
| $\chi_{43}^{(32)}$ | B | -B | 1 | -1 | -/B | /B | -B | B | B | -B | -/B | /B | 1 | -1 | 1 | -1 | 1 | -/B | /B | -/B |
| $\chi_{43}^{(33)}$ | /B | -/B | A | -A | -C | C | /B | -/B | -/B | /B | -B | B | -A | -1 | A | -A | A | -C | C | -C |
| $\chi_{43}^{(34)}$ | /B | -/B | -A | A | C | -C | /B | -/B | -/B | /B | -B | B | A | -1 | -A | A | -A | C | -C | C |
| $\chi_{43}^{(35)}$ | B | -B | A | -A | /C | -/C | B | -B | -B | B | -/B | /B | -A | -1 | A | -A | A | /C | -/C | /C |
| $\chi_{43}^{(36)}$ | B | -B | -A | A | -/C | /C | B | -B | -B | B | -/B | /B | A | -1 | -A | A | -A | -/C | /C | -/C |
| $\chi_{43}^{(37)}$ | /B | -/B | -A | A | C | -C | -/B | /B | /B | -/B | -B | B | A | -1 | -A | A | -A | C | -C | C |
| $\chi_{43}^{(38)}$ | /B | -/B | A | -A | -C | C | -/B | /B | /B | -/B | -B | B | -A | -1 | A | -A | A | -C | C | -C |
| $\chi_{43}^{(39)}$ | B | -B | -A | A | -/C | /C | -B | B | B | -B | -/B | /B | A | -1 | -A | A | -A | -/C | /C | -/C |
| $\chi_{43}^{(40)}$ | B | -B | A | -A | /C | -/C | -B | B | B | -B | -/B | /B | -A | -1 | A | -A | A | /C | -/C | /C |
| $\chi_{43}^{(41)}$ | -/B | /B | -1 | 1 | B | -B | -/B | /B | -/B | /B | -B | B | -1 | -1 | -1 | -1 | 1 | B | B | -B |
| $\chi_{43}^{(42)}$ | -B | B | -1 | 1 | /B | -/B | -B | B | -B | B | -/B | /B | -1 | -1 | -1 | -1 | 1 | /B | /B | -/B |
| $\chi_{43}^{(43)}$ | -/B | /B | 1 | -1 | -B | B | /B | -/B | /B | -/B | -B | B | 1 | -1 | 1 | 1 | -1 | -B | -B | B |
| $\chi_{43}^{(44)}$ | -B | B | 1 | -1 | -/B | /B | B | -B | B | -B | -/B | /B | 1 | -1 | 1 | 1 | -1 | -/B | -/B | /B |
| $\chi_{43}^{(45)}$ | -/B | /B | -1 | 1 | B | -B | /B | -/B | /B | -/B | -B | B | -1 | -1 | -1 | -1 | 1 | B | B | -B |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | | |
|---------------------|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|
| $\chi_{43}^{(91)}$ | -B | -B | A | A | /C | /C | B | B | B | B | -/B | -/B | -A | 1 | A | A | A | /C | /C | /C | C | C |
| $\chi_{43}^{(92)}$ | -B | -B | -A | -A | -/C | -/C | B | B | B | B | -/B | -/B | A | 1 | -A | -A | -A | -/C | -/C | -/C | -C | -C |
| $\chi_{43}^{(93)}$ | -/B | -/B | -A | -A | C | C | -/B | -/B | -/B | -/B | -B | -B | A | 1 | -A | -A | -A | C | C | C | -/C | -/C |
| $\chi_{43}^{(94)}$ | -/B | -/B | A | A | -C | -C | -/B | -/B | -/B | -/B | -B | -B | -A | 1 | A | A | A | -C | -C | -C | /C | /C |
| $\chi_{43}^{(95)}$ | -B | -B | -A | -A | -/C | -/C | -B | -B | -B | -B | -/B | -/B | A | 1 | -A | -A | -A | -/C | -/C | -/C | C | C |
| $\chi_{43}^{(96)}$ | -B | -B | A | A | /C | /C | -B | -B | -B | -B | -/B | -/B | -A | 1 | A | A | A | /C | /C | /C | -C | -C |
| $\chi_{43}^{(97)}$ | . | . | 2 | . | 2 | . | . | . | 2 | . | 2 | . | 2 | . | -2 | . | . | -2 | . | . | . | . |
| $\chi_{43}^{(98)}$ | . | . | -2 | . | -2 | . | . | . | 2 | . | 2 | . | -2 | . | 2 | . | . | 2 | . | . | . | . |
| $\chi_{43}^{(99)}$ | . | . | -2 | . | -2 | . | . | . | -2 | . | 2 | . | -2 | . | 2 | . | . | 2 | . | . | . | . |
| $\chi_{43}^{(100)}$ | . | . | 2 | . | 2 | . | . | . | -2 | . | 2 | . | 2 | . | -2 | . | . | -2 | . | . | . | . |
| $\chi_{43}^{(101)}$ | . | . | 2 | . | D | . | . | . | /D | . | D | . | 2 | . | -2 | . | . | -D | . | . | . | . |
| $\chi_{43}^{(102)}$ | . | . | 2 | . | /D | . | . | . | D | . | /D | . | 2 | . | -2 | . | . | -/D | . | . | . | . |
| $\chi_{43}^{(103)}$ | . | . | -2 | . | -D | . | . | . | /D | . | D | . | -2 | . | 2 | . | . | D | . | . | . | . |
| $\chi_{43}^{(104)}$ | . | . | -2 | . | -/D | . | . | . | D | . | /D | . | -2 | . | 2 | . | . | /D | . | . | . | . |
| $\chi_{43}^{(105)}$ | . | . | -E | . | -E | . | . | . | 2 | . | 2 | . | E | . | E | . | . | E | . | . | . | . |
| $\chi_{43}^{(106)}$ | . | . | E | . | E | . | . | . | 2 | . | 2 | . | -E | . | -E | . | . | -E | . | . | . | . |
| $\chi_{43}^{(107)}$ | . | . | -E | . | -F | . | . | . | /D | . | D | . | E | . | E | . | . | F | . | . | . | . |
| $\chi_{43}^{(108)}$ | . | . | -E | . | /F | . | . | . | D | . | /D | . | E | . | E | . | . | -/F | . | . | . | . |
| $\chi_{43}^{(109)}$ | . | . | E | . | F | . | . | . | /D | . | D | . | -E | . | -E | . | . | -F | . | . | . | . |
| $\chi_{43}^{(110)}$ | . | . | E | . | -/F | . | . | . | D | . | /D | . | -E | . | -E | . | . | /F | . | . | . | . |
| $\chi_{43}^{(111)}$ | . | . | E | . | E | . | . | . | -2 | . | 2 | . | -E | . | -E | . | . | -E | . | . | . | . |
| $\chi_{43}^{(112)}$ | . | . | -E | . | -E | . | . | . | -2 | . | 2 | . | E | . | E | . | . | E | . | . | . | . |
| $\chi_{43}^{(113)}$ | . | . | E | . | F | . | . | . | -/D | . | D | . | -E | . | -E | . | . | -F | . | . | . | . |
| $\chi_{43}^{(114)}$ | . | . | E | . | -/F | . | . | . | -D | . | /D | . | -E | . | -E | . | . | /F | . | . | . | . |
| $\chi_{43}^{(115)}$ | . | . | -E | . | -F | . | . | . | -/D | . | D | . | E | . | E | . | . | F | . | . | . | . |
| $\chi_{43}^{(116)}$ | . | . | -E | . | /F | . | . | . | -D | . | /D | . | E | . | E | . | . | -/F | . | . | . | . |
| $\chi_{43}^{(117)}$ | . | . | -2 | . | -D | . | . | . | -/D | . | D | . | -2 | . | 2 | . | . | D | . | . | . | . |
| $\chi_{43}^{(118)}$ | . | . | -2 | . | -/D | . | . | . | -D | . | /D | . | -2 | . | 2 | . | . | /D | . | . | . | . |
| $\chi_{43}^{(119)}$ | . | . | 2 | . | D | . | . | . | -/D | . | D | . | 2 | . | -2 | . | . | -D | . | . | . | . |
| $\chi_{43}^{(120)}$ | . | . | 2 | . | /D | . | . | . | -D | . | /D | . | 2 | . | -2 | . | . | -/D | . | . | . | . |
| | 100 | | | | | | | | | | 110 | | | | | | | | | | | |
| $\chi_{43}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{43}^{(2)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{43}^{(3)}$ | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | |
| $\chi_{43}^{(4)}$ | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 | |
| $\chi_{43}^{(5)}$ | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{43}^{(6)}$ | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | |
| $\chi_{43}^{(7)}$ | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | |
| $\chi_{43}^{(8)}$ | -1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{43}^{(9)}$ | 1 | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | |
| $\chi_{43}^{(10)}$ | -1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{43}^{(11)}$ | 1 | 1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | |
| $\chi_{43}^{(12)}$ | 1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | |
| $\chi_{43}^{(13)}$ | -1 | 1 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | |
| $\chi_{43}^{(14)}$ | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{43}^{(15)}$ | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |

| | 100 | | | | | | | | | | 110 | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| $\chi_{43}^{(16)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{43}^{(17)}$ | 1 | 1 | A | -A | -1 | 1 | 1 | -1 | 1 | A | A | -A | A | -A | A | -A | A | A | -A | -A |
| $\chi_{43}^{(18)}$ | 1 | 1 | -A | A | -1 | 1 | 1 | -1 | 1 | -A | -A | A | -A | A | -A | A | -A | -A | A | A |
| $\chi_{43}^{(19)}$ | -1 | 1 | A | -A | -1 | 1 | 1 | -1 | 1 | A | -A | A | -A | A | -A | -A | A | A | -A | -A |
| $\chi_{43}^{(20)}$ | -1 | 1 | -A | A | -1 | 1 | 1 | -1 | 1 | -A | A | -A | A | -A | A | A | -A | -A | A | A |
| $\chi_{43}^{(21)}$ | -1 | 1 | -A | A | 1 | -1 | 1 | 1 | -1 | -A | A | -A | A | A | -A | -A | A | -A | A | -A |
| $\chi_{43}^{(22)}$ | -1 | 1 | A | -A | 1 | -1 | 1 | 1 | -1 | A | -A | A | -A | -A | A | A | -A | A | -A | A |
| $\chi_{43}^{(23)}$ | 1 | 1 | -A | A | 1 | -1 | 1 | 1 | -1 | -A | -A | A | -A | -A | A | -A | A | -A | A | -A |
| $\chi_{43}^{(24)}$ | 1 | 1 | A | -A | 1 | -1 | 1 | 1 | -1 | A | A | -A | A | A | -A | A | -A | A | -A | A |
| $\chi_{43}^{(25)}$ | /B | -B | -/B | /B | B | -B | 1 | -1 | 1 | -/B | /B | -/B | /B | -/B | /B | B | -B | -B | B | -1 |
| $\chi_{43}^{(26)}$ | B | -/B | -B | B | /B | -/B | 1 | -1 | 1 | -B | B | -B | B | -B | B | /B | -/B | -/B | /B | -1 |
| $\chi_{43}^{(27)}$ | -/B | -B | -/B | /B | B | -B | 1 | -1 | 1 | -/B | -/B | /B | -/B | /B | -/B | B | -B | -B | B | -1 |
| $\chi_{43}^{(28)}$ | -B | -/B | -B | B | /B | -/B | 1 | -1 | 1 | -B | -B | B | -B | B | -B | /B | -/B | -/B | /B | -1 |
| $\chi_{43}^{(29)}$ | -/B | -B | /B | -/B | B | -B | 1 | -1 | 1 | /B | /B | -/B | /B | -/B | /B | -B | B | B | -B | 1 |
| $\chi_{43}^{(30)}$ | -B | -/B | B | -B | /B | -/B | 1 | -1 | 1 | B | B | -B | B | -B | B | -/B | /B | /B | -/B | 1 |
| $\chi_{43}^{(31)}$ | /B | -B | /B | -/B | B | -B | 1 | -1 | 1 | /B | -/B | /B | -/B | /B | -/B | -B | B | B | -B | 1 |
| $\chi_{43}^{(32)}$ | B | -/B | B | -B | /B | -/B | 1 | -1 | 1 | B | -B | B | -B | B | -B | -/B | /B | /B | -/B | 1 |
| $\chi_{43}^{(33)}$ | -/B | -B | /C | -/C | B | -B | 1 | -1 | 1 | /C | /C | -/C | /C | -/C | /C | C | -C | -C | C | -A |
| $\chi_{43}^{(34)}$ | -/B | -B | -/C | /C | B | -B | 1 | -1 | 1 | -/C | -/C | /C | -/C | /C | -/C | -C | C | C | -C | A |
| $\chi_{43}^{(35)}$ | -B | -/B | -C | C | /B | -/B | 1 | -1 | 1 | -C | -C | C | -C | C | -C | -/C | /C | /C | -/C | -A |
| $\chi_{43}^{(36)}$ | -B | -/B | C | -C | /B | -/B | 1 | -1 | 1 | C | C | -C | C | -C | C | /C | -/C | -/C | /C | A |
| $\chi_{43}^{(37)}$ | /B | -B | /C | -/C | B | -B | 1 | -1 | 1 | /C | -/C | /C | -/C | /C | -/C | C | -C | -C | C | -A |
| $\chi_{43}^{(38)}$ | /B | -B | -/C | /C | B | -B | 1 | -1 | 1 | -/C | /C | -/C | /C | -/C | /C | -C | C | C | -C | A |
| $\chi_{43}^{(39)}$ | B | -/B | -C | C | /B | -/B | 1 | -1 | 1 | -C | C | -C | C | -C | C | -/C | /C | /C | -/C | -A |
| $\chi_{43}^{(40)}$ | B | -/B | C | -C | /B | -/B | 1 | -1 | 1 | C | -C | C | -C | C | -C | /C | -/C | -/C | /C | A |
| $\chi_{43}^{(41)}$ | -/B | -B | /B | -/B | -B | B | 1 | 1 | -1 | /B | /B | -/B | /B | /B | -/B | B | -B | B | -B | -1 |
| $\chi_{43}^{(42)}$ | -B | -/B | B | -B | -/B | /B | 1 | 1 | -1 | B | B | -B | B | B | -B | /B | -/B | /B | -/B | -1 |
| $\chi_{43}^{(43)}$ | /B | -B | /B | -/B | -B | B | 1 | 1 | -1 | /B | -/B | /B | -/B | -/B | /B | B | -B | B | -B | -1 |
| $\chi_{43}^{(44)}$ | B | -/B | B | -B | -/B | /B | 1 | 1 | -1 | B | -B | B | -B | -B | B | /B | -/B | /B | -/B | -1 |
| $\chi_{43}^{(45)}$ | /B | -B | -/B | /B | -B | B | 1 | 1 | -1 | -/B | /B | -/B | /B | /B | -/B | -B | B | -B | B | 1 |
| $\chi_{43}^{(46)}$ | B | -/B | -B | B | -/B | /B | 1 | 1 | -1 | -B | B | -B | B | B | -B | -/B | /B | -/B | /B | 1 |
| $\chi_{43}^{(47)}$ | -/B | -B | -/B | /B | -B | B | 1 | 1 | -1 | -/B | -/B | /B | -/B | -/B | /B | -B | B | -B | B | 1 |
| $\chi_{43}^{(48)}$ | -B | -/B | -B | B | -/B | /B | 1 | 1 | -1 | -B | -B | B | -B | -B | B | -/B | /B | -/B | /B | 1 |
| $\chi_{43}^{(49)}$ | /B | -B | -/C | /C | -B | B | 1 | 1 | -1 | -/C | /C | -/C | /C | /C | -/C | C | -C | C | -C | -A |
| $\chi_{43}^{(50)}$ | /B | -B | /C | -/C | -B | B | 1 | 1 | -1 | /C | -/C | /C | -/C | -/C | /C | -C | C | -C | C | A |
| $\chi_{43}^{(51)}$ | B | -/B | C | -C | -/B | /B | 1 | 1 | -1 | C | -C | C | -C | -C | C | -/C | /C | -/C | /C | -A |
| $\chi_{43}^{(52)}$ | B | -/B | -C | C | -/B | /B | 1 | 1 | -1 | -C | C | -C | C | C | -C | /C | -/C | /C | -/C | A |
| $\chi_{43}^{(53)}$ | -/B | -B | -/C | /C | -B | B | 1 | 1 | -1 | -/C | -/C | /C | -/C | -/C | /C | C | -C | C | -C | -A |
| $\chi_{43}^{(54)}$ | -/B | -B | /C | -/C | -B | B | 1 | 1 | -1 | /C | /C | -/C | /C | /C | -/C | -C | C | -C | C | A |
| $\chi_{43}^{(55)}$ | -B | -/B | C | -C | -/B | /B | 1 | 1 | -1 | C | C | -C | C | C | -C | -/C | /C | -/C | /C | -A |
| $\chi_{43}^{(56)}$ | -B | -/B | -C | C | -/B | /B | 1 | 1 | -1 | -C | -C | C | -C | -C | C | /C | -/C | /C | -/C | A |
| $\chi_{43}^{(57)}$ | 1 | 1 | A | A | -1 | -1 | 1 | -1 | -1 | A | A | A | A | -A | -A | -A | -A | A | A | -A |
| $\chi_{43}^{(58)}$ | 1 | 1 | -A | -A | -1 | -1 | 1 | -1 | -1 | -A | -A | -A | -A | A | A | A | A | -A | -A | A |
| $\chi_{43}^{(59)}$ | -1 | 1 | A | A | -1 | -1 | 1 | -1 | -1 | A | -A | -A | -A | A | A | -A | -A | A | A | -A |
| $\chi_{43}^{(60)}$ | -1 | 1 | -A | -A | -1 | -1 | 1 | -1 | -1 | -A | A | A | A | -A | -A | A | A | -A | -A | A |

| | 100 | | | | | | | | | 110 | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\chi_{43}^{(61)}$ | -1 | 1 | -A | -A | 1 | 1 | 1 | 1 | 1 | -A | A | A | A | A | A | -A | -A | -A | -A |
| $\chi_{43}^{(62)}$ | -1 | 1 | A | A | 1 | 1 | 1 | 1 | 1 | A | -A | -A | -A | -A | -A | A | A | A | A |
| $\chi_{43}^{(63)}$ | 1 | 1 | -A | -A | 1 | 1 | 1 | 1 | 1 | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A |
| $\chi_{43}^{(64)}$ | 1 | 1 | A | A | 1 | 1 | 1 | 1 | 1 | A | A | A | A | A | A | A | A | A | A |
| $\chi_{43}^{(65)}$ | /B | -B | -/B | -/B | B | B | 1 | -1 | -1 | -/B | /B | /B | /B | -/B | -/B | B | B | -B | -B |
| $\chi_{43}^{(66)}$ | B | -/B | -B | -B | /B | /B | 1 | -1 | -1 | -B | B | B | B | -B | -B | /B | /B | -/B | -/B |
| $\chi_{43}^{(67)}$ | -/B | -B | -/B | -/B | B | B | 1 | -1 | -1 | -/B | -/B | -/B | -/B | /B | /B | B | B | -B | -B |
| $\chi_{43}^{(68)}$ | -B | -/B | -B | -B | /B | /B | 1 | -1 | -1 | -B | -B | -B | -B | B | B | /B | /B | -/B | -/B |
| $\chi_{43}^{(69)}$ | -/B | -B | /B | /B | B | B | 1 | -1 | -1 | /B | /B | /B | /B | -/B | -/B | -B | -B | B | B |
| $\chi_{43}^{(70)}$ | -B | -/B | B | B | /B | /B | 1 | -1 | -1 | B | B | B | B | -B | -B | -/B | -/B | /B | /B |
| $\chi_{43}^{(71)}$ | /B | -B | /B | /B | B | B | 1 | -1 | -1 | /B | -/B | -/B | -/B | /B | /B | -B | -B | B | B |
| $\chi_{43}^{(72)}$ | B | -/B | B | B | /B | /B | 1 | -1 | -1 | B | -B | -B | -B | B | B | -/B | -/B | /B | /B |
| $\chi_{43}^{(73)}$ | -/B | -B | /C | /C | B | B | 1 | -1 | -1 | /C | /C | /C | /C | -/C | -/C | C | C | -C | -C |
| $\chi_{43}^{(74)}$ | -/B | -B | -/C | -/C | B | B | 1 | -1 | -1 | -/C | -/C | -/C | -/C | /C | /C | -C | -C | C | C |
| $\chi_{43}^{(75)}$ | -B | -/B | -C | -C | /B | /B | 1 | -1 | -1 | -C | -C | -C | -C | C | C | -/C | -/C | /C | /C |
| $\chi_{43}^{(76)}$ | -B | -/B | C | C | /B | /B | 1 | -1 | -1 | C | C | C | C | -C | -C | /C | /C | -/C | -/C |
| $\chi_{43}^{(77)}$ | /B | -B | /C | /C | B | B | 1 | -1 | -1 | /C | -/C | -/C | -/C | /C | /C | C | C | -C | -C |
| $\chi_{43}^{(78)}$ | /B | -B | -/C | -/C | B | B | 1 | -1 | -1 | -/C | /C | /C | /C | -/C | -/C | -C | -C | C | C |
| $\chi_{43}^{(79)}$ | B | -/B | -C | -C | /B | /B | 1 | -1 | -1 | -C | C | C | C | -C | -C | -/C | -/C | /C | /C |
| $\chi_{43}^{(80)}$ | B | -/B | C | C | /B | /B | 1 | -1 | -1 | C | -C | -C | -C | C | C | /C | /C | -/C | -/C |
| $\chi_{43}^{(81)}$ | -/B | -B | /B | /B | -B | -B | 1 | 1 | 1 | /B | /B | /B | /B | /B | /B | B | B | B | B |
| $\chi_{43}^{(82)}$ | -B | -/B | B | B | -/B | -/B | 1 | 1 | 1 | B | B | B | B | B | B | /B | /B | /B | /B |
| $\chi_{43}^{(83)}$ | /B | -B | /B | /B | -B | -B | 1 | 1 | 1 | /B | -/B | -/B | -/B | -/B | -/B | B | B | B | B |
| $\chi_{43}^{(84)}$ | B | -/B | B | B | -/B | -/B | 1 | 1 | 1 | B | -B | -B | -B | -B | -B | /B | /B | /B | /B |
| $\chi_{43}^{(85)}$ | /B | -B | -/B | -/B | -B | -B | 1 | 1 | 1 | -/B | /B | /B | /B | /B | /B | -B | -B | -B | -B |
| $\chi_{43}^{(86)}$ | B | -/B | -B | -B | -/B | -/B | 1 | 1 | 1 | -B | B | B | B | B | B | -/B | -/B | -/B | -/B |
| $\chi_{43}^{(87)}$ | -/B | -B | -/B | -/B | -B | -B | 1 | 1 | 1 | -/B | -/B | -/B | -/B | -/B | -/B | -B | -B | -B | -B |
| $\chi_{43}^{(88)}$ | -B | -/B | -B | -B | -/B | -/B | 1 | 1 | 1 | -B | -B | -B | -B | -B | -B | -/B | -/B | -/B | -/B |
| $\chi_{43}^{(89)}$ | /B | -B | -/C | -/C | -B | -B | 1 | 1 | 1 | -/C | /C | /C | /C | /C | /C | C | C | C | C |
| $\chi_{43}^{(90)}$ | /B | -B | /C | /C | -B | -B | 1 | 1 | 1 | /C | -/C | -/C | -/C | -/C | -/C | -C | -C | -C | -C |
| $\chi_{43}^{(91)}$ | B | -/B | C | C | -/B | -/B | 1 | 1 | 1 | C | -C | -C | -C | -C | -C | -/C | -/C | -/C | -/C |
| $\chi_{43}^{(92)}$ | B | -/B | -C | -C | -/B | -/B | 1 | 1 | 1 | -C | C | C | C | C | C | /C | /C | /C | /C |
| $\chi_{43}^{(93)}$ | -/B | -B | -/C | -/C | -B | -B | 1 | 1 | 1 | -/C | -/C | -/C | -/C | -/C | -/C | C | C | C | C |
| $\chi_{43}^{(94)}$ | -/B | -B | /C | /C | -B | -B | 1 | 1 | 1 | /C | /C | /C | /C | /C | /C | -C | -C | -C | -C |
| $\chi_{43}^{(95)}$ | -B | -/B | C | C | -/B | -/B | 1 | 1 | 1 | C | C | C | C | C | C | -/C | -/C | -/C | -/C |
| $\chi_{43}^{(96)}$ | -B | -/B | -C | -C | -/B | -/B | 1 | 1 | 1 | -C | -C | -C | -C | -C | -C | /C | /C | /C | /C |
| $\chi_{43}^{(97)}$ | -2 | -2 | 2 | . | . | . | -2 | . | . | -2 | 2 | . | -2 | . | . | . | . | 2 | . |
| $\chi_{43}^{(98)}$ | -2 | -2 | -2 | . | . | . | -2 | . | . | 2 | -2 | . | 2 | . | . | . | . | -2 | . |
| $\chi_{43}^{(99)}$ | 2 | -2 | 2 | . | . | . | -2 | . | . | -2 | -2 | . | 2 | . | . | . | . | 2 | . |
| $\chi_{43}^{(100)}$ | 2 | -2 | -2 | . | . | . | -2 | . | . | 2 | 2 | . | -2 | . | . | . | . | -2 | . |
| $\chi_{43}^{(101)}$ | -/D | -D | /D | . | . | . | -2 | . | . | -/D | /D | . | -/D | . | . | . | . | D | . |
| $\chi_{43}^{(102)}$ | -D | -/D | D | . | . | . | -2 | . | . | -D | D | . | -D | . | . | . | . | /D | . |
| $\chi_{43}^{(103)}$ | -/D | -D | -/D | . | . | . | -2 | . | . | /D | -/D | . | /D | . | . | . | . | -D | . |
| $\chi_{43}^{(104)}$ | -D | -/D | -D | . | . | . | -2 | . | . | D | -D | . | D | . | . | . | . | -/D | . |
| $\chi_{43}^{(105)}$ | -2 | -2 | -E | . | . | . | -2 | . | . | E | -E | . | E | . | . | . | . | -E | . |

| | 100 | | | | | | | | | | 110 | | | | | | | | | |
|---------------------|-----|-----|-----|-----|----|---|----|---|---|-----|-----|---|-----|---|---|---|-----|---|---|--|
| $\chi_{43}^{(106)}$ | -2 | -2 | E | . | . | . | -2 | . | . | -E | E | . | -E | . | . | . | E | . | . | |
| $\chi_{43}^{(107)}$ | -/D | -D | /F | . | . | . | -2 | . | . | -/F | /F | . | -/F | . | . | . | -F | . | . | |
| $\chi_{43}^{(108)}$ | -D | -/D | -F | . | . | . | -2 | . | . | F | -F | . | F | . | . | . | /F | . | . | |
| $\chi_{43}^{(109)}$ | -/D | -D | -/F | . | . | . | -2 | . | . | /F | -/F | . | /F | . | . | . | F | . | . | |
| $\chi_{43}^{(110)}$ | -D | -/D | F | . | . | . | -2 | . | . | -F | F | . | -F | . | . | . | -/F | . | . | |
| $\chi_{43}^{(111)}$ | 2 | -2 | -E | . | . | . | -2 | . | . | E | E | . | -E | . | . | . | -E | . | . | |
| $\chi_{43}^{(112)}$ | 2 | -2 | E | . | . | . | -2 | . | . | -E | -E | . | E | . | . | . | E | . | . | |
| $\chi_{43}^{(113)}$ | /D | -D | /F | . | . | . | -2 | . | . | -/F | -/F | . | /F | . | . | . | -F | . | . | |
| $\chi_{43}^{(114)}$ | D | -/D | -F | . | . | . | -2 | . | . | F | F | . | -F | . | . | . | /F | . | . | |
| $\chi_{43}^{(115)}$ | /D | -D | -/F | . | . | . | -2 | . | . | /F | /F | . | -/F | . | . | . | F | . | . | |
| $\chi_{43}^{(116)}$ | D | -/D | F | . | . | . | -2 | . | . | -F | -F | . | F | . | . | . | -/F | . | . | |
| $\chi_{43}^{(117)}$ | /D | -D | /D | . | . | . | -2 | . | . | -/D | -/D | . | /D | . | . | . | D | . | . | |
| $\chi_{43}^{(118)}$ | D | -/D | D | . | . | . | -2 | . | . | -D | -D | . | D | . | . | . | /D | . | . | |
| $\chi_{43}^{(119)}$ | /D | -D | -/D | . | . | . | -2 | . | . | /D | /D | . | -/D | . | . | . | -D | . | . | |
| $\chi_{43}^{(120)}$ | D | -/D | -D | . | . | . | -2 | . | . | D | D | . | -D | . | . | . | -/D | . | . | |
| | 120 | | | | | | | | | | | | | | | | | | | |
| $\chi_{43}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(2)}$ | 1 | 1 | -1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(3)}$ | 1 | 1 | -1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(4)}$ | -1 | -1 | 1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(5)}$ | -1 | -1 | 1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(6)}$ | 1 | -1 | 1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(7)}$ | 1 | -1 | 1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(8)}$ | -1 | 1 | -1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(9)}$ | -1 | 1 | -1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(10)}$ | -1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(11)}$ | -1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(12)}$ | 1 | -1 | -1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(13)}$ | 1 | -1 | -1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(14)}$ | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(15)}$ | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(16)}$ | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(17)}$ | A | A | -A | A | A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(18)}$ | -A | -A | A | -A | -A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(19)}$ | A | A | -A | A | A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(20)}$ | -A | -A | A | -A | -A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(21)}$ | A | -A | A | -A | -A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(22)}$ | -A | A | -A | A | A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(23)}$ | A | -A | A | -A | -A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(24)}$ | -A | A | -A | A | A | | | | | | | | | | | | | | | |
| $\chi_{43}^{(25)}$ | 1 | 1 | -1 | -B | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(26)}$ | 1 | 1 | -1 | -/B | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(27)}$ | 1 | 1 | -1 | -B | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(28)}$ | 1 | 1 | -1 | -/B | 1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(29)}$ | -1 | -1 | 1 | B | -1 | | | | | | | | | | | | | | | |
| $\chi_{43}^{(30)}$ | -1 | -1 | 1 | /B | -1 | | | | | | | | | | | | | | | |

| | 120 | | | | |
|--------------------|-----|----|----|-----|----|
| $\chi_{43}^{(31)}$ | -1 | -1 | 1 | B | -1 |
| $\chi_{43}^{(32)}$ | -1 | -1 | 1 | /B | -1 |
| $\chi_{43}^{(33)}$ | A | A | -A | -C | A |
| $\chi_{43}^{(34)}$ | -A | -A | A | C | -A |
| $\chi_{43}^{(35)}$ | A | A | -A | /C | A |
| $\chi_{43}^{(36)}$ | -A | -A | A | -/C | -A |
| $\chi_{43}^{(37)}$ | A | A | -A | -C | A |
| $\chi_{43}^{(38)}$ | -A | -A | A | C | -A |
| $\chi_{43}^{(39)}$ | A | A | -A | /C | A |
| $\chi_{43}^{(40)}$ | -A | -A | A | -/C | -A |
| $\chi_{43}^{(41)}$ | 1 | -1 | 1 | B | -1 |
| $\chi_{43}^{(42)}$ | 1 | -1 | 1 | /B | -1 |
| $\chi_{43}^{(43)}$ | 1 | -1 | 1 | B | -1 |
| $\chi_{43}^{(44)}$ | 1 | -1 | 1 | /B | -1 |
| $\chi_{43}^{(45)}$ | -1 | 1 | -1 | -B | 1 |
| $\chi_{43}^{(46)}$ | -1 | 1 | -1 | -/B | 1 |
| $\chi_{43}^{(47)}$ | -1 | 1 | -1 | -B | 1 |
| $\chi_{43}^{(48)}$ | -1 | 1 | -1 | -/B | 1 |
| $\chi_{43}^{(49)}$ | A | -A | A | C | -A |
| $\chi_{43}^{(50)}$ | -A | A | -A | -C | A |
| $\chi_{43}^{(51)}$ | A | -A | A | -/C | -A |
| $\chi_{43}^{(52)}$ | -A | A | -A | /C | A |
| $\chi_{43}^{(53)}$ | A | -A | A | C | -A |
| $\chi_{43}^{(54)}$ | -A | A | -A | -C | A |
| $\chi_{43}^{(55)}$ | A | -A | A | -/C | -A |
| $\chi_{43}^{(56)}$ | -A | A | -A | /C | A |
| $\chi_{43}^{(57)}$ | -A | A | A | A | A |
| $\chi_{43}^{(58)}$ | A | -A | -A | -A | -A |
| $\chi_{43}^{(59)}$ | -A | A | A | A | A |
| $\chi_{43}^{(60)}$ | A | -A | -A | -A | -A |
| $\chi_{43}^{(61)}$ | -A | -A | -A | -A | -A |
| $\chi_{43}^{(62)}$ | A | A | A | A | A |
| $\chi_{43}^{(63)}$ | -A | -A | -A | -A | -A |
| $\chi_{43}^{(64)}$ | A | A | A | A | A |
| $\chi_{43}^{(65)}$ | -1 | 1 | 1 | -B | 1 |
| $\chi_{43}^{(66)}$ | -1 | 1 | 1 | -/B | 1 |
| $\chi_{43}^{(67)}$ | -1 | 1 | 1 | -B | 1 |
| $\chi_{43}^{(68)}$ | -1 | 1 | 1 | -/B | 1 |
| $\chi_{43}^{(69)}$ | 1 | -1 | -1 | B | -1 |
| $\chi_{43}^{(70)}$ | 1 | -1 | -1 | /B | -1 |
| $\chi_{43}^{(71)}$ | 1 | -1 | -1 | B | -1 |
| $\chi_{43}^{(72)}$ | 1 | -1 | -1 | /B | -1 |
| $\chi_{43}^{(73)}$ | -A | A | A | -C | A |
| $\chi_{43}^{(74)}$ | A | -A | -A | C | -A |
| $\chi_{43}^{(75)}$ | -A | A | A | /C | A |

| | 120 | | | | |
|---------------------|-----|----|----|-----|----|
| $\chi_{43}^{(76)}$ | A | -A | -A | -/C | -A |
| $\chi_{43}^{(77)}$ | -A | A | A | -C | A |
| $\chi_{43}^{(78)}$ | A | -A | -A | C | -A |
| $\chi_{43}^{(79)}$ | -A | A | A | /C | A |
| $\chi_{43}^{(80)}$ | A | -A | -A | -/C | -A |
| $\chi_{43}^{(81)}$ | -1 | -1 | -1 | B | -1 |
| $\chi_{43}^{(82)}$ | -1 | -1 | -1 | /B | -1 |
| $\chi_{43}^{(83)}$ | -1 | -1 | -1 | B | -1 |
| $\chi_{43}^{(84)}$ | -1 | -1 | -1 | /B | -1 |
| $\chi_{43}^{(85)}$ | 1 | 1 | 1 | -B | 1 |
| $\chi_{43}^{(86)}$ | 1 | 1 | 1 | -/B | 1 |
| $\chi_{43}^{(87)}$ | 1 | 1 | 1 | -B | 1 |
| $\chi_{43}^{(88)}$ | 1 | 1 | 1 | -/B | 1 |
| $\chi_{43}^{(89)}$ | -A | -A | -A | C | -A |
| $\chi_{43}^{(90)}$ | A | A | A | -C | A |
| $\chi_{43}^{(91)}$ | -A | -A | -A | -/C | -A |
| $\chi_{43}^{(92)}$ | A | A | A | /C | A |
| $\chi_{43}^{(93)}$ | -A | -A | -A | C | -A |
| $\chi_{43}^{(94)}$ | A | A | A | -C | A |
| $\chi_{43}^{(95)}$ | -A | -A | -A | -/C | -A |
| $\chi_{43}^{(96)}$ | A | A | A | /C | A |
| $\chi_{43}^{(97)}$ | . | 2 | . | -2 | -2 |
| $\chi_{43}^{(98)}$ | . | -2 | . | 2 | 2 |
| $\chi_{43}^{(99)}$ | . | 2 | . | -2 | -2 |
| $\chi_{43}^{(100)}$ | . | -2 | . | 2 | 2 |
| $\chi_{43}^{(101)}$ | . | 2 | . | -D | -2 |
| $\chi_{43}^{(102)}$ | . | 2 | . | -/D | -2 |
| $\chi_{43}^{(103)}$ | . | -2 | . | D | 2 |
| $\chi_{43}^{(104)}$ | . | -2 | . | /D | 2 |
| $\chi_{43}^{(105)}$ | . | -E | . | E | E |
| $\chi_{43}^{(106)}$ | . | E | . | -E | -E |
| $\chi_{43}^{(107)}$ | . | -E | . | F | E |
| $\chi_{43}^{(108)}$ | . | -E | . | -/F | E |
| $\chi_{43}^{(109)}$ | . | E | . | -F | -E |
| $\chi_{43}^{(110)}$ | . | E | . | /F | -E |
| $\chi_{43}^{(111)}$ | . | -E | . | E | E |
| $\chi_{43}^{(112)}$ | . | E | . | -E | -E |
| $\chi_{43}^{(113)}$ | . | -E | . | F | E |
| $\chi_{43}^{(114)}$ | . | -E | . | -/F | E |
| $\chi_{43}^{(115)}$ | . | E | . | -F | -E |
| $\chi_{43}^{(116)}$ | . | E | . | /F | -E |
| $\chi_{43}^{(117)}$ | . | 2 | . | -D | -2 |
| $\chi_{43}^{(118)}$ | . | 2 | . | -/D | -2 |
| $\chi_{43}^{(119)}$ | . | -2 | . | D | 2 |
| $\chi_{43}^{(120)}$ | . | -2 | . | /D | 2 |

where $A = -E(4) = -ER(-1) = -i$, $B = -E(3)^2 = (1+ER(-3))/2 = 1+b3$, $C = E(12)^{11}$, $D = 2^*E(3)^2 = -1-ER(-3) = -1-i3$, $E = -2^*E(4) = -2^*ER(-1) = -2i$, $F = -2^*E(12)^{11}$.

[illegible]

[illegible]

The character table of $G^{s_{44}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | |
|--------------------|----|----|----|----|---|----|---|----|----|----|----|----|---|----|----|----|----|----|----|----|
| $\chi_{44}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(6)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(9)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(10)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(12)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(13)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(14)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(15)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(16)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(17)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(18)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(19)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(20)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(21)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(22)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(23)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(24)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(25)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(26)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(27)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(28)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(29)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(30)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(31)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | -1 | -A |
| $\chi_{44}^{(32)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | -1 | -A |
| $\chi_{44}^{(33)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(34)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(35)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(36)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(37)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(38)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(39)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(40)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(41)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(42)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(43)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |
| $\chi_{44}^{(44)}$ | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | /A | A | A | 1 | /A | 1 | A |
| $\chi_{44}^{(45)}$ | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A | /A | /A | 1 | A | 1 | A |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{44}^{(31)}$ | -A | -/A | -/A | -1 | -A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 |
| $\chi_{44}^{(32)}$ | -/A | -A | -A | -1 | -/A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 |
| $\chi_{44}^{(33)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{44}^{(34)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{44}^{(35)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 |
| $\chi_{44}^{(36)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{44}^{(37)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 |
| $\chi_{44}^{(38)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 |
| $\chi_{44}^{(39)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | 1 | A | /A | 1 |
| $\chi_{44}^{(40)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | 1 | /A | A | 1 |
| $\chi_{44}^{(41)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 |
| $\chi_{44}^{(42)}$ | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 |
| $\chi_{44}^{(43)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | -1 | -A | -/A | -1 |
| $\chi_{44}^{(44)}$ | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | -1 | -/A | -A | -1 |
| $\chi_{44}^{(45)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{44}^{(46)}$ | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{44}^{(47)}$ | A | /A | /A | 1 | A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{44}^{(48)}$ | /A | A | A | 1 | /A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{44}^{(49)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(50)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(51)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(52)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(57)}$ | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(58)}$ | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(59)}$ | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(60)}$ | 2 | 2 | -2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . |
| $\chi_{44}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . |
| $\chi_{44}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . |
| $\chi_{44}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . |
| $\chi_{44}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . |
| $\chi_{44}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . |
| $\chi_{44}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . |
| $\chi_{44}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . |
| $\chi_{44}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . |
| $\chi_{44}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . |
| $\chi_{44}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . |
| $\chi_{44}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . |
| $\chi_{44}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . |
| $\chi_{44}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . |
| $\chi_{44}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | | | | |
|---------------------|-----|-----|-----|----|-----|----|-----|-----|----|-----|-----|-----|----|---|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{44}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . | |
| $\chi_{44}^{(77)}$ | -B | -/B | /B | 2 | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(78)}$ | -/B | -B | B | 2 | /B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(79)}$ | B | /B | -/B | -2 | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(80)}$ | /B | B | -B | -2 | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(81)}$ | -B | -/B | /B | 2 | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(82)}$ | -/B | -B | B | 2 | /B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(83)}$ | B | /B | -/B | -2 | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(84)}$ | /B | B | -B | -2 | -/B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(85)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(86)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(87)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(88)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(89)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(90)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(91)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(92)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(93)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(94)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(95)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(96)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(97)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(98)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(99)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(100)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 3 | 3 | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(101)}$ | -A | -/A | -/A | -1 | -A | 1 | A | /A | -1 | -A | -/A | . | . | . | 3 | C | /C | -1 | -A | -/A | 1 | A | /A | -1 |
| $\chi_{44}^{(102)}$ | -/A | -A | -A | -1 | -/A | 1 | /A | A | -1 | -/A | -A | . | . | . | 3 | /C | C | -1 | -/A | -A | 1 | /A | A | -1 |
| $\chi_{44}^{(103)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | 1 | A | /A | . | . | . | 3 | C | /C | -1 | -A | -/A | -1 | -A | -/A | 1 |
| $\chi_{44}^{(104)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | 1 | /A | A | . | . | . | 3 | /C | C | -1 | -/A | -A | -1 | -/A | -A | 1 |
| $\chi_{44}^{(105)}$ | -A | -/A | -/A | -1 | -A | 1 | A | /A | -1 | -A | -/A | . | . | . | 3 | C | /C | -1 | -A | -/A | -1 | -A | -/A | 1 |
| $\chi_{44}^{(106)}$ | -/A | -A | -A | -1 | -/A | 1 | /A | A | -1 | -/A | -A | . | . | . | 3 | /C | C | -1 | -/A | -A | -1 | -/A | -A | 1 |
| $\chi_{44}^{(107)}$ | A | /A | /A | 1 | A | -1 | -A | -/A | 1 | A | /A | . | . | . | 3 | C | /C | -1 | -A | -/A | 1 | A | /A | -1 |
| $\chi_{44}^{(108)}$ | /A | A | A | 1 | /A | -1 | -/A | -A | 1 | /A | A | . | . | . | 3 | /C | C | -1 | -/A | -A | 1 | /A | A | -1 |
| $\chi_{44}^{(109)}$ | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | A | /A | . | . | . | -3 | -C | -/C | 1 | A | /A | 1 | A | /A | -1 |
| $\chi_{44}^{(110)}$ | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | /A | A | . | . | . | -3 | -/C | -C | 1 | /A | A | 1 | /A | A | -1 |
| $\chi_{44}^{(111)}$ | A | /A | /A | 1 | A | 1 | A | /A | -1 | -A | -/A | . | . | . | -3 | -C | -/C | 1 | A | /A | -1 | -A | -/A | 1 |
| $\chi_{44}^{(112)}$ | /A | A | A | 1 | /A | 1 | /A | A | -1 | -/A | -A | . | . | . | -3 | -/C | -C | 1 | /A | A | -1 | -/A | -A | 1 |
| $\chi_{44}^{(113)}$ | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | A | /A | . | . | . | -3 | -C | -/C | 1 | A | /A | -1 | -A | -/A | 1 |
| $\chi_{44}^{(114)}$ | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | /A | A | . | . | . | -3 | -/C | -C | 1 | /A | A | -1 | -/A | -A | 1 |
| $\chi_{44}^{(115)}$ | A | /A | /A | 1 | A | 1 | A | /A | -1 | -A | -/A | . | . | . | -3 | -C | -/C | 1 | A | /A | 1 | A | /A | -1 |
| $\chi_{44}^{(116)}$ | /A | A | A | 1 | /A | 1 | /A | A | -1 | -/A | -A | . | . | . | -3 | -/C | -C | 1 | /A | A | 1 | /A | A | -1 |
| $\chi_{44}^{(117)}$ | -A | -/A | -/A | -1 | -A | -1 | -A | -/A | 1 | A | /A | . | . | . | -3 | -C | -/C | 1 | A | /A | 1 | A | /A | -1 |
| $\chi_{44}^{(118)}$ | -/A | -A | -A | -1 | -/A | -1 | -/A | -A | 1 | /A | A | . | . | . | -3 | -/C | -C | 1 | /A | A | 1 | /A | A | -1 |
| $\chi_{44}^{(119)}$ | A | /A | /A | 1 | A | 1 | A | /A | -1 | -A | -/A | . | . | . | -3 | -C | -/C | 1 | A | /A | -1 | -A | -/A | 1 |
| $\chi_{44}^{(120)}$ | /A | A | A | 1 | /A | 1 | /A | A | -1 | -/A | -A | . | . | . | -3 | -/C | -C | 1 | /A | A | -1 | -/A | -A | 1 |

| | 50 | | | | | | | | | | 60 | | | | | | | | | | 70 | | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|---|---|---|---|---|---|
| $\chi_{44}^{(61)}$ | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(62)}$ | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(63)}$ | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(64)}$ | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(65)}$ | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(66)}$ | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(67)}$ | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(68)}$ | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(69)}$ | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(70)}$ | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(71)}$ | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(72)}$ | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(73)}$ | . | . | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | -1 | -A | -/A | 2 | B | /B | 2 | B | /B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(74)}$ | . | . | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | -1 | -/A | -A | 2 | /B | B | 2 | /B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(75)}$ | . | . | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | 1 | A | /A | -2 | -B | -/B | -2 | -B | -/B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(76)}$ | . | . | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | 1 | /A | A | -2 | -/B | -B | -2 | -/B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(85)}$ | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(86)}$ | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(87)}$ | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(88)}$ | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(89)}$ | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(90)}$ | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(91)}$ | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(92)}$ | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(93)}$ | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(94)}$ | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(95)}$ | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(96)}$ | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(97)}$ | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(98)}$ | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(99)}$ | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(100)}$ | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(101)}$ | -A | -/A | . | . | . | -1 | -A | -/A | 3 | C | /C | . | . | . | -1 | -A | -/A | 3 | C | /C | -1 | -A | -/A | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(102)}$ | -/A | -A | . | . | . | -1 | -/A | -A | 3 | /C | C | . | . | . | -1 | -/A | -A | 3 | /C | C | -1 | -/A | -A | 1 | . | . | . | . | . | . |
| $\chi_{44}^{(103)}$ | A | /A | . | . | . | -1 | -A | -/A | 3 | C | /C | . | . | . | -1 | -A | -/A | 3 | C | /C | 1 | A | /A | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(104)}$ | /A | A | . | . | . | -1 | -/A | -A | 3 | /C | C | . | . | . | -1 | -/A | -A | 3 | /C | C | 1 | /A | A | -1 | . | . | . | . | . | . |
| $\chi_{44}^{(105)}$ | A | /A | . | . | . | 1 | A | /A | -3 | -C | -/C | . | . | . | 1 | A | /A | -3 | -C | -/C | 1 | A | /A | -1 | . | . | . | . | . | . |

| | 80 | | | | | | | | | | | | 90 | | | | | | | | | | | |
|--------------------|-----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|--|--|--|
| $\chi_{44}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(3)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(4)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(6)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(8)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(9)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(10)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(12)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(13)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(14)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(15)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{44}^{(16)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| $\chi_{44}^{(17)}$ | -A | -/A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(18)}$ | -/A | -A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | | | |
| $\chi_{44}^{(19)}$ | -A | -/A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(20)}$ | -/A | -A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(21)}$ | A | /A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(22)}$ | /A | A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | | | |
| $\chi_{44}^{(23)}$ | A | /A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(24)}$ | /A | A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(25)}$ | A | /A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(26)}$ | /A | A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(27)}$ | A | /A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(28)}$ | /A | A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | | | |
| $\chi_{44}^{(29)}$ | -A | -/A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(30)}$ | -/A | -A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(31)}$ | -A | -/A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(32)}$ | -/A | -A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | | | |
| $\chi_{44}^{(33)}$ | A | /A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(34)}$ | /A | A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | | | |
| $\chi_{44}^{(35)}$ | A | /A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(36)}$ | /A | A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(37)}$ | -A | -/A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(38)}$ | -/A | -A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | | | |
| $\chi_{44}^{(39)}$ | -A | -/A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(40)}$ | -/A | -A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(41)}$ | -A | -/A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | | | |
| $\chi_{44}^{(42)}$ | -/A | -A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | | | |
| $\chi_{44}^{(43)}$ | -A | -/A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | | | |
| $\chi_{44}^{(44)}$ | -/A | -A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | | | |
| $\chi_{44}^{(45)}$ | A | /A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | | | |

| | 80 | | | | | | | | | | | | 90 | | | | | | | | | |
|--------------------|----|----|----|----|-----|----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|
| $\chi_{44}^{(46)}$ | /A | A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 |
| $\chi_{44}^{(47)}$ | A | /A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 |
| $\chi_{44}^{(48)}$ | /A | A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 |
| $\chi_{44}^{(49)}$ | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | 2 | 2 |
| $\chi_{44}^{(50)}$ | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | -2 | -2 |
| $\chi_{44}^{(51)}$ | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 |
| $\chi_{44}^{(52)}$ | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 |
| $\chi_{44}^{(53)}$ | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | -1 | -1 | -1 | 2 | 2 |
| $\chi_{44}^{(54)}$ | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | 1 | 1 | 1 | -2 | -2 |
| $\chi_{44}^{(55)}$ | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | 1 | 1 | -2 | -2 |
| $\chi_{44}^{(56)}$ | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | 2 | 2 |
| $\chi_{44}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(61)}$ | . | . | . | . | . | . | . | . | /B | 2 | B | /B | 2 | B | -/A | -1 | -A | -/A | -1 | -A | /B | 2 |
| $\chi_{44}^{(62)}$ | . | . | . | . | . | . | . | . | B | 2 | /B | B | 2 | /B | -A | -1 | -/A | -A | -1 | -/A | B | 2 |
| $\chi_{44}^{(63)}$ | . | . | . | . | . | . | . | . | -/B | -2 | -B | -/B | -2 | -B | /A | 1 | A | /A | 1 | A | -/B | -2 |
| $\chi_{44}^{(64)}$ | . | . | . | . | . | . | . | . | -B | -2 | -/B | -B | -2 | -/B | A | 1 | /A | A | 1 | /A | -B | -2 |
| $\chi_{44}^{(65)}$ | . | . | . | . | . | . | . | . | /B | 2 | B | /B | 2 | B | -/A | -1 | -A | /A | 1 | A | -/B | -2 |
| $\chi_{44}^{(66)}$ | . | . | . | . | . | . | . | . | B | 2 | /B | B | 2 | /B | -A | -1 | -/A | A | 1 | /A | -B | -2 |
| $\chi_{44}^{(67)}$ | . | . | . | . | . | . | . | . | -/B | -2 | -B | -/B | -2 | -B | /A | 1 | A | -/A | -1 | -A | /B | 2 |
| $\chi_{44}^{(68)}$ | . | . | . | . | . | . | . | . | -B | -2 | -/B | -B | -2 | -/B | A | 1 | /A | -A | -1 | -/A | B | 2 |
| $\chi_{44}^{(69)}$ | . | . | . | . | . | . | . | . | -/B | -2 | -B | -/B | -2 | -B | /A | 1 | A | -/A | -1 | -A | /B | 2 |
| $\chi_{44}^{(70)}$ | . | . | . | . | . | . | . | . | -B | -2 | -/B | -B | -2 | -/B | A | 1 | /A | -A | -1 | -/A | B | 2 |
| $\chi_{44}^{(71)}$ | . | . | . | . | . | . | . | . | /B | 2 | B | /B | 2 | B | -/A | -1 | -A | /A | 1 | A | -/B | -2 |
| $\chi_{44}^{(72)}$ | . | . | . | . | . | . | . | . | B | 2 | /B | B | 2 | /B | -A | -1 | -/A | A | 1 | /A | -B | -2 |
| $\chi_{44}^{(73)}$ | . | . | . | . | . | . | . | . | -/B | -2 | -B | -/B | -2 | -B | /A | 1 | A | /A | 1 | A | -/B | -2 |
| $\chi_{44}^{(74)}$ | . | . | . | . | . | . | . | . | -B | -2 | -/B | -B | -2 | -/B | A | 1 | /A | A | 1 | /A | -B | -2 |
| $\chi_{44}^{(75)}$ | . | . | . | . | . | . | . | . | /B | 2 | B | /B | 2 | B | -/A | -1 | -A | -/A | -1 | -A | /B | 2 |
| $\chi_{44}^{(76)}$ | . | . | . | . | . | . | . | . | B | 2 | /B | B | 2 | /B | -A | -1 | -/A | -A | -1 | -/A | B | 2 |
| $\chi_{44}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(85)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | 3 | 3 |
| $\chi_{44}^{(86)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | 3 | 3 |
| $\chi_{44}^{(87)}$ | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | -3 | -3 |
| $\chi_{44}^{(88)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -3 | -3 | -3 | 1 | 1 | 1 | . | . | . | . | . | . | -3 | -3 |
| $\chi_{44}^{(89)}$ | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | -3 | -3 |
| $\chi_{44}^{(90)}$ | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | 3 | 3 | 3 | -1 | -1 | -1 | . | . | . | . | . | . | -3 | -3 |

| | 80 | | | | | | | | | | 90 | | | | | | | | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{44}^{(136)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(142)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(143)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(144)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(145)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(146)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(147)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(148)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(149)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(150)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| χ_{44} | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | 100 | | | | | | | | | | 110 | | | | | | | | | | | | |
| $\chi_{44}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{44}^{(2)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(3)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(4)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(5)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(6)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(7)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(8)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(9)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(10)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(11)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(12)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(13)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(14)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(15)}$ | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |

| | 100 | | | | | | | | | | 110 | | | | | | | | | | | | |
|--------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|
| $\chi_{44}^{(31)}$ | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A |
| $\chi_{44}^{(32)}$ | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A |
| $\chi_{44}^{(33)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A |
| $\chi_{44}^{(34)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A |
| $\chi_{44}^{(35)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A |
| $\chi_{44}^{(36)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A |
| $\chi_{44}^{(37)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A |
| $\chi_{44}^{(38)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A |
| $\chi_{44}^{(39)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A |
| $\chi_{44}^{(40)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A |
| $\chi_{44}^{(41)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A |
| $\chi_{44}^{(42)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A |
| $\chi_{44}^{(43)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A |
| $\chi_{44}^{(44)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A |
| $\chi_{44}^{(45)}$ | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A | -1 | -A | -/A |
| $\chi_{44}^{(46)}$ | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A | -1 | -/A | -A |
| $\chi_{44}^{(47)}$ | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A | 1 | A | /A |
| $\chi_{44}^{(48)}$ | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A | 1 | /A | A |
| $\chi_{44}^{(49)}$ | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(50)}$ | -2 | -2 | -2 | -2 | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(51)}$ | -2 | -2 | -2 | -2 | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(52)}$ | 2 | 2 | 2 | 2 | . | . | . | . | . | . | -1 | -1 | -1 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . |
| $\chi_{44}^{(53)}$ | 2 | 2 | 2 | 2 | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(54)}$ | -2 | -2 | -2 | -2 | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(55)}$ | -2 | -2 | -2 | -2 | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(56)}$ | 2 | 2 | 2 | 2 | . | . | . | . | . | . | 1 | 1 | 1 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . |
| $\chi_{44}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{44}^{(61)}$ | B | /B | 2 | B | . | . | . | . | . | . | -/A | -1 | -A | /B | 2 | B | /B | 2 | B | . | . | . | . |
| $\chi_{44}^{(62)}$ | /B | B | 2 | /B | . | . | . | . | . | . | -A | -1 | -/A | B | 2 | /B | B | 2 | /B | . | . | . | . |
| $\chi_{44}^{(63)}$ | -B | -/B | -2 | -B | . | . | . | . | . | . | -/A | -1 | -A | /B | 2 | B | /B | 2 | B | . | . | . | . |
| $\chi_{44}^{(64)}$ | -/B | -B | -2 | -/B | . | . | . | . | . | . | -A | -1 | -/A | B | 2 | /B | B | 2 | /B | . | . | . | . |
| $\chi_{44}^{(65)}$ | -B | -/B | -2 | -B | . | . | . | . | . | . | -/A | -1 | -A | /B | 2 | B | /B | 2 | B | . | . | . | . |
| $\chi_{44}^{(66)}$ | -/B | -B | -2 | -/B | . | . | . | . | . | . | -A | -1 | -/A | B | 2 | /B | B | 2 | /B | . | . | . | . |
| $\chi_{44}^{(67)}$ | B | /B | 2 | B | . | . | . | . | . | . | -/A | -1 | -A | /B | 2 | B | /B | 2 | B | . | . | . | . |
| $\chi_{44}^{(68)}$ | /B | B | 2 | /B | . | . | . | . | . | . | -A | -1 | -/A | B | 2 | /B | B | 2 | /B | . | . | . | . |
| $\chi_{44}^{(69)}$ | B | /B | 2 | B | . | . | . | . | . | . | /A | 1 | A | -/B | -2 | -B | -/B | -2 | -B | . | . | . | . |
| $\chi_{44}^{(70)}$ | /B | B | 2 | /B | . | . | . | . | . | . | A | 1 | /A | -B | -2 | -/B | -B | -2 | -/B | . | . | . | . |
| $\chi_{44}^{(71)}$ | -B | -/B | -2 | -B | . | . | . | . | . | . | /A | 1 | A | -/B | -2 | -B | -/B | -2 | -B | . | . | . | . |
| $\chi_{44}^{(72)}$ | -/B | -B | -2 | -/B | . | . | . | . | . | . | A | 1 | /A | -B | -2 | -/B | -B | -2 | -/B | . | . | . | . |
| $\chi_{44}^{(73)}$ | -B | -/B | -2 | -B | . | . | . | . | . | . | /A | 1 | A | -/B | -2 | -B | -/B | -2 | -B | . | . | . | . |
| $\chi_{44}^{(74)}$ | -/B | -B | -2 | -/B | . | . | . | . | . | . | A | 1 | /A | -B | -2 | -/B | -B | -2 | -/B | . | . | . | . |
| $\chi_{44}^{(75)}$ | B | /B | 2 | B | . | . | . | . | . | . | /A | 1 | A | -/B | -2 | -B | -/B | -2 | -B | . | . | . | . |

| | 100 | | | | | | | | | | 110 | | | | | | | | | | | | |
|---------------------|-----|-----|----|-----|-----|----|-----|-----|----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| | /B | B | 2 | /B | . | . | . | . | . | A | 1 | /A | -B | -2 | -/B | -B | -2 | -/B | . | . | . | . | |
| $\chi_{44}^{(76)}$ | /B | B | 2 | /B | . | . | . | . | . | A | 1 | /A | -B | -2 | -/B | -B | -2 | -/B | . | . | . | . | |
| $\chi_{44}^{(77)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(78)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(79)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(80)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(81)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(82)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(83)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(84)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{44}^{(85)}$ | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(86)}$ | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(87)}$ | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(88)}$ | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(89)}$ | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(90)}$ | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(91)}$ | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(92)}$ | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | -1 | -1 | -1 | 3 | 3 | 3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(93)}$ | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(94)}$ | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(95)}$ | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(96)}$ | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(97)}$ | -3 | 1 | 1 | 1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(98)}$ | -3 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(99)}$ | 3 | -1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | -1 | -1 | -1 | 1 |
| $\chi_{44}^{(100)}$ | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | . | . | . | 1 | 1 | 1 | -3 | -3 | -3 | 1 | 1 | 1 | -1 |
| $\chi_{44}^{(101)}$ | C | -/A | -1 | -A | /A | 1 | A | -/A | -1 | -A | . | . | . | -/A | -1 | -A | /C | 3 | C | /A | 1 | A | -/A |
| $\chi_{44}^{(102)}$ | /C | -A | -1 | -/A | A | 1 | /A | -A | -1 | -/A | . | . | . | -A | -1 | -/A | C | 3 | /C | A | 1 | /A | -A |
| $\chi_{44}^{(103)}$ | C | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | . | . | . | -/A | -1 | -A | /C | 3 | C | -/A | -1 | -A | /A |
| $\chi_{44}^{(104)}$ | /C | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | . | . | . | -A | -1 | -/A | C | 3 | /C | -A | -1 | -/A | A |
| $\chi_{44}^{(105)}$ | -C | /A | 1 | A | -/A | -1 | -A | /A | 1 | A | . | . | . | -/A | -1 | -A | /C | 3 | C | /A | 1 | A | -/A |
| $\chi_{44}^{(106)}$ | -/C | A | 1 | /A | -A | -1 | -/A | A | 1 | /A | . | . | . | -A | -1 | -/A | C | 3 | /C | A | 1 | /A | -A |
| $\chi_{44}^{(107)}$ | -C | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | . | . | . | -/A | -1 | -A | /C | 3 | C | -/A | -1 | -A | /A |
| $\chi_{44}^{(108)}$ | -/C | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | . | . | . | -A | -1 | -/A | C | 3 | /C | -A | -1 | -/A | A |
| $\chi_{44}^{(109)}$ | -C | /A | 1 | A | -/A | -1 | -A | /A | 1 | A | . | . | . | -/A | -1 | -A | /C | 3 | C | /A | 1 | A | -/A |
| $\chi_{44}^{(110)}$ | -/C | A | 1 | /A | -A | -1 | -/A | A | 1 | /A | . | . | . | -A | -1 | -/A | C | 3 | /C | A | 1 | /A | -A |
| $\chi_{44}^{(111)}$ | -C | /A | 1 | A | /A | 1 | A | -/A | -1 | -A | . | . | . | -/A | -1 | -A | /C | 3 | C | -/A | -1 | -A | /A |
| $\chi_{44}^{(112)}$ | -/C | A | 1 | /A | A | 1 | /A | -A | -1 | -/A | . | . | . | -A | -1 | -/A | C | 3 | /C | -A | -1 | -/A | A |
| $\chi_{44}^{(113)}$ | C | -/A | -1 | -A | /A | 1 | A | -/A | -1 | -A | . | . | . | -/A | -1 | -A | /C | 3 | C | /A | 1 | A | -/A |
| $\chi_{44}^{(114)}$ | /C | -A | -1 | -/A | A | 1 | /A | -A | -1 | -/A | . | . | . | -A | -1 | -/A | C | 3 | /C | A | 1 | /A | -A |
| $\chi_{44}^{(115)}$ | C | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | . | . | . | -/A | -1 | -A | /C | 3 | C | -/A | -1 | -A | /A |
| $\chi_{44}^{(116)}$ | /C | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | . | . | . | -A | -1 | -/A | C | 3 | /C | -A | -1 | -/A | A |
| $\chi_{44}^{(117)}$ | C | -/A | -1 | -A | /A | 1 | A | -/A | -1 | -A | . | . | . | /A | 1 | A | -/C | -3 | -C | -/A | -1 | -A | /A |
| $\chi_{44}^{(118)}$ | /C | -A | -1 | -/A | A | 1 | /A | -A | -1 | -/A | . | . | . | A | 1 | /A | -C | -3 | -/C | -A | -1 | -/A | A |
| $\chi_{44}^{(119)}$ | C | -/A | -1 | -A | -/A | -1 | -A | /A | 1 | A | . | . | . | /A | 1 | A | -/C | -3 | -C | /A | 1 | A | -/A |
| $\chi_{44}^{(120)}$ | /C | -A | -1 | -/A | -A | -1 | -/A | A | 1 | /A | . | . | . | A | 1 | /A | -C | -3 | -/C | A | 1 | /A | -A |

| | 120 | | | | | | | | 130 | | | | | | | | 140 | | | | | |
|---------------------|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| $\chi_{44}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 | /B | 2 | |
| $\chi_{44}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 | B | 2 | |
| $\chi_{44}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 | /B | 2 | |
| $\chi_{44}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 | B | 2 | |
| $\chi_{44}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 | -/B | -2 | |
| $\chi_{44}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 | -B | -2 | |
| $\chi_{44}^{(67)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 | -/B | -2 | |
| $\chi_{44}^{(68)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 | -B | -2 | |
| $\chi_{44}^{(69)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 | /B | 2 | |
| $\chi_{44}^{(70)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 | B | 2 | |
| $\chi_{44}^{(71)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -/A | -1 | -A | -A | -/A | -1 | /B | 2 | |
| $\chi_{44}^{(72)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | -1 | -/A | -/A | -A | -1 | B | 2 | |
| $\chi_{44}^{(73)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 | -/B | -2 | |
| $\chi_{44}^{(74)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 | -B | -2 | |
| $\chi_{44}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | /A | 1 | A | A | /A | 1 | -/B | -2 | |
| $\chi_{44}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | A | 1 | /A | /A | A | 1 | -B | -2 | |
| $\chi_{44}^{(77)}$ | . | . | /B | 2 | B | -B | -/B | -2 | /B | 2 | B | -B | -/B | -2 | -/B | -2 | -B | B | /B | 2 | -/B | -2 |
| $\chi_{44}^{(78)}$ | . | . | B | 2 | /B | -/B | -B | -2 | B | 2 | /B | -/B | -B | -2 | -B | -2 | -/B | /B | B | 2 | -B | -2 |
| $\chi_{44}^{(79)}$ | . | . | -/B | -2 | -B | B | /B | 2 | -/B | -2 | -B | B | /B | 2 | -/B | -2 | -B | B | /B | 2 | -/B | -2 |
| $\chi_{44}^{(80)}$ | . | . | -B | -2 | -/B | /B | B | 2 | -B | -2 | -/B | /B | B | 2 | -B | -2 | -/B | /B | B | 2 | -B | -2 |
| $\chi_{44}^{(81)}$ | . | . | -/B | -2 | -B | B | /B | 2 | -/B | -2 | -B | B | /B | 2 | /B | 2 | B | -B | -/B | -2 | /B | 2 |
| $\chi_{44}^{(82)}$ | . | . | -B | -2 | -/B | /B | B | 2 | -B | -2 | -/B | /B | B | 2 | B | 2 | /B | -/B | -B | -2 | B | 2 |
| $\chi_{44}^{(83)}$ | . | . | /B | 2 | B | -B | -/B | -2 | /B | 2 | B | -B | -/B | -2 | /B | 2 | B | -B | -/B | -2 | /B | 2 |
| $\chi_{44}^{(84)}$ | . | . | B | 2 | /B | -/B | -B | -2 | B | 2 | /B | -/B | -B | -2 | B | 2 | /B | -/B | -B | -2 | B | 2 |
| $\chi_{44}^{(85)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(86)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(87)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(88)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(89)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(90)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(91)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(92)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(93)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(94)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(95)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(96)}$ | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | -1 | -1 |
| $\chi_{44}^{(97)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(98)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(99)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(100)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | 1 | 1 |
| $\chi_{44}^{(101)}$ | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{44}^{(102)}$ | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | -A | -1 |
| $\chi_{44}^{(103)}$ | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | -/A | -1 |
| $\chi_{44}^{(104)}$ | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | -A | -1 |
| $\chi_{44}^{(105)}$ | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | -/A | -1 |

| | 120 | | | | | | | | | | 130 | | | | | | | | | | 140 | | | | | | | | | |
|---------------------|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|-----|----|--|--|--|--|--|--|--|--|
| $\chi_{44}^{(106)}$ | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(107)}$ | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | -/A | -1 | | | | | | | | |
| $\chi_{44}^{(108)}$ | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(109)}$ | -1 | -A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(110)}$ | -1 | -/A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(111)}$ | 1 | A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(112)}$ | 1 | /A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(113)}$ | -1 | -A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(114)}$ | -1 | -/A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(115)}$ | 1 | A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(116)}$ | 1 | /A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(117)}$ | 1 | A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | -/A | -1 | | | | | | | | |
| $\chi_{44}^{(118)}$ | 1 | /A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(119)}$ | -1 | -A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | -/A | -1 | | | | | | | | |
| $\chi_{44}^{(120)}$ | -1 | -/A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(121)}$ | 1 | A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | -/A | -1 | | | | | | | | |
| $\chi_{44}^{(122)}$ | 1 | /A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(123)}$ | -1 | -A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | -/A | -1 | | | | | | | | |
| $\chi_{44}^{(124)}$ | -1 | -/A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | -A | -1 | | | | | | | | |
| $\chi_{44}^{(125)}$ | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(126)}$ | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(127)}$ | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(128)}$ | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(129)}$ | 1 | A | /A | 1 | A | A | /A | 1 | -/A | -1 | -A | -A | -/A | -1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(130)}$ | 1 | /A | A | 1 | /A | /A | A | 1 | -A | -1 | -/A | -/A | -A | -1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(131)}$ | -1 | -A | -/A | -1 | -A | -A | -/A | -1 | /A | 1 | A | A | /A | 1 | . | . | . | . | . | . | /A | 1 | | | | | | | | |
| $\chi_{44}^{(132)}$ | -1 | -/A | -A | -1 | -/A | -/A | -A | -1 | A | 1 | /A | /A | A | 1 | . | . | . | . | . | . | A | 1 | | | | | | | | |
| $\chi_{44}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -4 | -4 | | | | | | | | |
| $\chi_{44}^{(134)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 4 | 4 | | | | | | | | |
| $\chi_{44}^{(135)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | /B | 2 | B | -B | -/B | -2 | -/D | -4 | | | | | | | | |
| $\chi_{44}^{(136)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | B | 2 | /B | -/B | -B | -2 | -D | -4 | | | | | | | | |
| $\chi_{44}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -/B | -2 | -B | B | /B | 2 | /D | 4 | | | | | | | | |
| $\chi_{44}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -B | -2 | -/B | /B | B | 2 | D | 4 | | | | | | | | |
| $\chi_{44}^{(139)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | 2 | 2 | | | | | | | | |
| $\chi_{44}^{(140)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . | 2 | 2 | | | | | | | | |
| $\chi_{44}^{(141)}$ | . | . | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | . | . | . | . | . | . | -2 | -2 | | | | | | | | |
| $\chi_{44}^{(142)}$ | . | . | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | -2 | -2 | | | | | | | | |
| $\chi_{44}^{(143)}$ | . | . | -/B | -2 | -B | B | /B | 2 | /B | 2 | B | -B | -/B | -2 | . | . | . | . | . | . | /B | 2 | | | | | | | | |
| $\chi_{44}^{(144)}$ | . | . | -B | -2 | -/B | /B | B | 2 | B | 2 | /B | -/B | -B | -2 | . | . | . | . | . | . | B | 2 | | | | | | | | |
| $\chi_{44}^{(145)}$ | . | . | /B | 2 | B | -B | -/B | -2 | -/B | -2 | -B | B | /B | 2 | . | . | . | . | . | . | /B | 2 | | | | | | | | |
| $\chi_{44}^{(146)}$ | . | . | B | 2 | /B | -/B | -B | -2 | -B | -2 | -/B | /B | B | 2 | . | . | . | . | . | . | B | 2 | | | | | | | | |
| $\chi_{44}^{(147)}$ | . | . | /B | 2 | B | -B | -/B | -2 | -/B | -2 | -B | B | /B | 2 | . | . | . | . | . | . | -/B | -2 | | | | | | | | |
| $\chi_{44}^{(148)}$ | . | . | B | 2 | /B | -/B | -B | -2 | -B | -2 | -/B | /B | B | 2 | . | . | . | . | . | . | -B | -2 | | | | | | | | |
| $\chi_{44}^{(149)}$ | . | . | -/B | -2 | -B | B | /B | 2 | /B | 2 | B | -B | -/B | -2 | . | . | . | . | . | . | -/B | -2 | | | | | | | | |
| $\chi_{44}^{(150)}$ | . | . | -B | -2 | -/B | /B | B | 2 | B | 2 | /B | -/B | -B | -2 | . | . | . | . | . | . | -B | -2 | | | | | | | | |

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|--------------------|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{44}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(5)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(6)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(7)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(8)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(9)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(10)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(11)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(12)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(13)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(14)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{44}^{(15)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(16)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{44}^{(17)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(18)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(19)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(20)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(21)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(22)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(23)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(24)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(25)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(26)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(27)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(28)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(29)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(30)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(31)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(32)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(33)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(34)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(35)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(36)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(37)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(38)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(39)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(40)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(41)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(42)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(43)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |
| $\chi_{44}^{(44)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(45)}$ | -A | -A | -/A | -1 | -/A | -1 | -A | -A | -/A | -1 |

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|--------------------|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{44}^{(46)}$ | -/A | -/A | -A | -1 | -A | -1 | -/A | -/A | -A | -1 |
| $\chi_{44}^{(47)}$ | A | A | /A | 1 | /A | 1 | A | A | /A | 1 |
| $\chi_{44}^{(48)}$ | /A | /A | A | 1 | A | 1 | /A | /A | A | 1 |
| $\chi_{44}^{(49)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{44}^{(50)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{44}^{(51)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{44}^{(52)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{44}^{(53)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{44}^{(54)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{44}^{(55)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{44}^{(56)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{44}^{(57)}$ | -2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{44}^{(58)}$ | -2 | 2 | 2 | 2 | -2 | -2 | -2 | 2 | 2 | 2 |
| $\chi_{44}^{(59)}$ | 2 | -2 | -2 | -2 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{44}^{(60)}$ | 2 | -2 | -2 | -2 | 2 | 2 | 2 | -2 | -2 | -2 |
| $\chi_{44}^{(61)}$ | B | B | /B | 2 | /B | 2 | B | B | /B | 2 |
| $\chi_{44}^{(62)}$ | /B | /B | B | 2 | B | 2 | /B | /B | B | 2 |
| $\chi_{44}^{(63)}$ | B | B | /B | 2 | /B | 2 | B | B | /B | 2 |
| $\chi_{44}^{(64)}$ | /B | /B | B | 2 | B | 2 | /B | /B | B | 2 |
| $\chi_{44}^{(65)}$ | -B | -B | -/B | -2 | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{44}^{(66)}$ | -/B | -/B | -B | -2 | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{44}^{(67)}$ | -B | -B | -/B | -2 | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{44}^{(68)}$ | -/B | -/B | -B | -2 | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{44}^{(69)}$ | B | B | /B | 2 | /B | 2 | B | B | /B | 2 |
| $\chi_{44}^{(70)}$ | /B | /B | B | 2 | B | 2 | /B | /B | B | 2 |
| $\chi_{44}^{(71)}$ | B | B | /B | 2 | /B | 2 | B | B | /B | 2 |
| $\chi_{44}^{(72)}$ | /B | /B | B | 2 | B | 2 | /B | /B | B | 2 |
| $\chi_{44}^{(73)}$ | -B | -B | -/B | -2 | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{44}^{(74)}$ | -/B | -/B | -B | -2 | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{44}^{(75)}$ | -B | -B | -/B | -2 | -/B | -2 | -B | -B | -/B | -2 |
| $\chi_{44}^{(76)}$ | -/B | -/B | -B | -2 | -B | -2 | -/B | -/B | -B | -2 |
| $\chi_{44}^{(77)}$ | -B | B | /B | 2 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{44}^{(78)}$ | -/B | /B | B | 2 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{44}^{(79)}$ | -B | B | /B | 2 | -/B | -2 | -B | B | /B | 2 |
| $\chi_{44}^{(80)}$ | -/B | /B | B | 2 | -B | -2 | -/B | /B | B | 2 |
| $\chi_{44}^{(81)}$ | B | -B | -/B | -2 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{44}^{(82)}$ | /B | -/B | -B | -2 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{44}^{(83)}$ | B | -B | -/B | -2 | /B | 2 | B | -B | -/B | -2 |
| $\chi_{44}^{(84)}$ | /B | -/B | -B | -2 | B | 2 | /B | -/B | -B | -2 |
| $\chi_{44}^{(85)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(86)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(87)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(88)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(89)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(90)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |

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| | | | | | | | | | | |
|---------------------|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{44}^{(91)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(92)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(93)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(94)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(95)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(96)}$ | -1 | -1 | -1 | -1 | 3 | 3 | 3 | 3 | 3 | 3 |
| $\chi_{44}^{(97)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(98)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(99)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(100)}$ | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | -3 | -3 |
| $\chi_{44}^{(101)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(102)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(103)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(104)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(105)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(106)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(107)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(108)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(109)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(110)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(111)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(112)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(113)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(114)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(115)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(116)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(117)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(118)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(119)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(120)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(121)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(122)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(123)}$ | -A | -A | -/A | -1 | /C | 3 | C | C | /C | 3 |
| $\chi_{44}^{(124)}$ | -/A | -/A | -A | -1 | C | 3 | /C | /C | C | 3 |
| $\chi_{44}^{(125)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(126)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(127)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(128)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(129)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(130)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(131)}$ | A | A | /A | 1 | -/C | -3 | -C | -C | -/C | -3 |
| $\chi_{44}^{(132)}$ | /A | /A | A | 1 | -C | -3 | -/C | -/C | -C | -3 |
| $\chi_{44}^{(133)}$ | -4 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 |
| $\chi_{44}^{(134)}$ | 4 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 |
| $\chi_{44}^{(135)}$ | -D | D | /D | 4 | -/D | -4 | -D | D | /D | 4 |

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| $\chi_{44}^{(136)}$ | -/D | /D | D | 4 | -D | -4 | -/D | /D | D | 4 |
|---------------------|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| $\chi_{44}^{(137)}$ | D | -D | -/D | -4 | /D | 4 | D | -D | -/D | -4 |
| $\chi_{44}^{(138)}$ | /D | -/D | -D | -4 | D | 4 | /D | -/D | -D | -4 |
| $\chi_{44}^{(139)}$ | 2 | -2 | -2 | -2 | -6 | -6 | -6 | 6 | 6 | 6 |
| $\chi_{44}^{(140)}$ | 2 | -2 | -2 | -2 | -6 | -6 | -6 | 6 | 6 | 6 |
| $\chi_{44}^{(141)}$ | -2 | 2 | 2 | 2 | 6 | 6 | 6 | -6 | -6 | -6 |
| $\chi_{44}^{(142)}$ | -2 | 2 | 2 | 2 | 6 | 6 | 6 | -6 | -6 | -6 |
| $\chi_{44}^{(143)}$ | B | -B | -/B | -2 | -/E | -6 | -E | E | /E | 6 |
| $\chi_{44}^{(144)}$ | /B | -/B | -B | -2 | -E | -6 | -/E | /E | E | 6 |
| $\chi_{44}^{(145)}$ | B | -B | -/B | -2 | -/E | -6 | -E | E | /E | 6 |
| $\chi_{44}^{(146)}$ | /B | -/B | -B | -2 | -E | -6 | -/E | /E | E | 6 |
| $\chi_{44}^{(147)}$ | -B | B | /B | 2 | /E | 6 | E | -E | -/E | -6 |
| $\chi_{44}^{(148)}$ | -/B | /B | B | 2 | E | 6 | /E | -/E | -E | -6 |
| $\chi_{44}^{(149)}$ | -B | B | /B | 2 | /E | 6 | E | -E | -/E | -6 |
| $\chi_{44}^{(150)}$ | -/B | /B | B | 2 | E | 6 | /E | -/E | -E | -6 |

where $A = E(3)^2 = (-1-ER(-3))/2 = -1-b3$, $B = 2^*E(3)^2 = -1-ER(-3) = -1-i3$, $C = 3^*E(3)^2 = (-3-3^*ER(-3))/2 = -3-3b3$, $D = 4^*E(3)4^2 = -2-2^*ER(-3) = -2-2i3$, $E = 6^*E(3)^2 = -3-3^*ER(-3) = -3-3i3$.

The generators of $G^{s_{45}}$ are:

$$\begin{pmatrix} -2 & 0 & 1 & 0 & 1 & -2 & 1 & 0 \\ -2 & -1 & 2 & 0 & 1 & -3 & 2 & 0 \\ -3 & -1 & 2 & 0 & 2 & -4 & 2 & 0 \\ -4 & -1 & 4 & -1 & 3 & -6 & 3 & 0 \\ -3 & 0 & 3 & -1 & 2 & -5 & 3 & 0 \\ -2 & 0 & 2 & 0 & 1 & -4 & 2 & 0 \\ -2 & 0 & 2 & 0 & 0 & -2 & 1 & 0 \\ -1 & 0 & 1 & 0 & 0 & -1 & 1 & -1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & -1 & 1 & 0 & -1 & 1 & 0 \\ 1 & -1 & 0 & 1 & 0 & -1 & 1 & 0 \\ 1 & -1 & -1 & 2 & 0 & -1 & 1 & 0 \\ 1 & -1 & -1 & 1 & 1 & -1 & 1 & 0 \\ 1 & -1 & -1 & 1 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}, \\
\begin{pmatrix} 0 & -1 & 1 & 1 & -2 & 1 & 0 & 0 \\ 0 & -1 & 1 & 2 & -3 & 1 & -1 & 1 \\ 0 & -2 & 2 & 2 & -3 & 1 & -1 & 1 \\ 0 & -2 & 3 & 3 & -5 & 1 & -1 & 1 \\ 0 & -2 & 3 & 2 & -4 & 1 & -1 & 1 \\ 1 & -1 & 2 & 1 & -3 & 1 & -1 & 1 \\ 1 & -1 & 1 & 1 & -2 & 1 & -1 & 0 \\ 0 & 0 & 1 & 0 & -1 & 1 & -1 & 0 \end{pmatrix}, \begin{pmatrix} 0 & -1 & 1 & -1 & 2 & -1 & 0 & 0 \\ -1 & 0 & 2 & -2 & 3 & -2 & 0 & 0 \\ -1 & -1 & 3 & -3 & 4 & -2 & 0 & 0 \\ -1 & -1 & 4 & -4 & 6 & -4 & 0 & 0 \\ 0 & 0 & 3 & -4 & 5 & -3 & 0 & 0 \\ 0 & 0 & 3 & -3 & 3 & -2 & 0 & 0 \\ 0 & 0 & 2 & -2 & 2 & -2 & 1 & 0 \\ 0 & 0 & 1 & -1 & 1 & -1 & 0 & 1 \end{pmatrix}, \begin{pmatrix} 1 & 0 & -1 & 1 & 0 & -1 & 1 & -1 \\ 0 & 1 & -1 & 1 & 0 & -1 & 1 & -1 \\ 0 & 0 & -1 & 2 & 0 & -2 & 2 & -2 \\ 0 & 0 & -2 & 3 & 0 & -2 & 2 & -2 \\ 0 & 0 & -2 & 2 & 1 & -2 & 2 & -2 \\ 0 & 0 & -2 & 2 & 0 & -1 & 2 & -2 \\ 0 & 0 & -1 & 1 & 0 & -1 & 2 & -1 \\ 0 & 0 & -1 & 1 & 0 & -1 & 1 & 0 \end{pmatrix}, \\
\begin{pmatrix} 0 & 0 & 0 & 1 & -2 & 2 & -1 & 0 \\ 0 & 0 & 0 & 2 & -3 & 2 & -2 & 1 \\ 0 & 0 & 0 & 2 & -3 & 3 & -3 & 1 \\ 0 & 1 & 0 & 3 & -5 & 4 & -4 & 1 \\ -1 & 1 & 1 & 2 & -4 & 3 & -3 & 1 \\ -1 & 1 & 1 & 1 & -3 & 3 & -3 & 1 \\ -1 & 0 & 1 & 1 & -2 & 2 & -2 & 0 \\ 0 & 0 & 1 & 0 & -1 & 1 & -1 & 0 \end{pmatrix}.$$

The representatives of conjugacy classes of $G^{s_{45}}$ are:

[illegible]

[illegible]

[illegible]

The character table of $G^{s_{45}}$:

| | 10 | | | | | | | | | | 20 | | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|---|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|---|
| $\chi_{45}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{45}^{(2)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | |
| $\chi_{45}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | | | |
| $\chi_{45}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| $\chi_{45}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | | | |
| $\chi_{45}^{(6)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | -1 | | | |
| $\chi_{45}^{(7)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | | | |
| $\chi_{45}^{(8)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | | | |
| $\chi_{45}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| $\chi_{45}^{(10)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | | | |
| $\chi_{45}^{(11)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | 2 | | | |
| $\chi_{45}^{(12)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | -2 | -2 | | | |
| $\chi_{45}^{(13)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | | | |
| $\chi_{45}^{(14)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | . | . | | | |
| $\chi_{45}^{(15)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | . | . | | |
| $\chi_{45}^{(16)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | . | . | | |
| $\chi_{45}^{(17)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | 2 | 2 | | |
| $\chi_{45}^{(18)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | 2 | 2 | | |
| $\chi_{45}^{(19)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | 2 | 2 | | |
| $\chi_{45}^{(20)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | 2 | 2 | | |
| $\chi_{45}^{(21)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | -2 | -2 | | |
| $\chi_{45}^{(22)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -2 | -2 | | |
| $\chi_{45}^{(23)}$ | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | 2 | -2 | -2 | -2 | | |
| $\chi_{45}^{(24)}$ | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | 2 | -2 | -2 | -2 | | |
| $\chi_{45}^{(25)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| $\chi_{45}^{(26)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| $\chi_{45}^{(27)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | | | |
| $\chi_{45}^{(28)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -3 | -3 | | | |
| $\chi_{45}^{(29)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | | |
| $\chi_{45}^{(30)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 3 | 3 | | |
| $\chi_{45}^{(31)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | | |
| $\chi_{45}^{(32)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | | |
| $\chi_{45}^{(33)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 2 | 2 | |
| $\chi_{45}^{(34)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 2 | 2 | |
| $\chi_{45}^{(35)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -2 | -2 | |
| $\chi_{45}^{(36)}$ | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -2 | -2 | |
| $\chi_{45}^{(37)}$ | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | |
| $\chi_{45}^{(38)}$ | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | 4 | 4 | -4 | -4 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | . | . |
| $\chi_{45}^{(39)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 2 | 2 | |
| $\chi_{45}^{(40)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 2 | 2 | |
| $\chi_{45}^{(41)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -2 | -2 | |
| $\chi_{45}^{(42)}$ | 4 | 4 | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | . | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -2 | -2 | |
| $\chi_{45}^{(43)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . |
| $\chi_{45}^{(44)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . |
| $\chi_{45}^{(45)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| $\chi_{45}^{(46)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | | | | | | |
| $\chi_{45}^{(47)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | -4 | 4 | | | | | | |
| $\chi_{45}^{(48)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | -4 | 4 | | | | | | |
| $\chi_{45}^{(49)}$ | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | 4 | -4 | | | | | | |
| $\chi_{45}^{(50)}$ | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | 4 | -4 | | | | | | |
| $\chi_{45}^{(51)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | | | | | | |
| $\chi_{45}^{(52)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | . | . | | | | | | |
| $\chi_{45}^{(53)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(54)}$ | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(55)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | . | . | | | | | | |
| $\chi_{45}^{(56)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | . | . | | | | | | |
| $\chi_{45}^{(57)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(58)}$ | 6 | 6 | -6 | -6 | 6 | 6 | -6 | -6 | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(59)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | 4 | 4 | | | | | | |
| $\chi_{45}^{(60)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -4 | -4 | | | | | | |
| $\chi_{45}^{(61)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | | | | | | |
| $\chi_{45}^{(62)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | . | . | | | | | | |
| $\chi_{45}^{(63)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | 4 | 4 | | | | | | |
| $\chi_{45}^{(64)}$ | 8 | 8 | -8 | -8 | -8 | -8 | 8 | 8 | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | -4 | -4 | | | | | | |
| $\chi_{45}^{(65)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | | | | | | |
| $\chi_{45}^{(66)}$ | 8 | 8 | 8 | 8 | -8 | -8 | -8 | -8 | . | . | . | . | . | . | . | . | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | . | . | | | | | | |
| $\chi_{45}^{(67)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | -4 | 4 | | | | | | |
| $\chi_{45}^{(68)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | -4 | 4 | | | | | | |
| $\chi_{45}^{(69)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | -4 | 4 | | | | | | |
| $\chi_{45}^{(70)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | -4 | 4 | | | | | | |
| $\chi_{45}^{(71)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | 4 | -4 | | | | | | |
| $\chi_{45}^{(72)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | 4 | -4 | | | | | | |
| $\chi_{45}^{(73)}$ | 8 | -8 | C | -C | -8 | 8 | -C | C | . | . | . | . | . | . | . | . | 2 | -2 | A | -A | -2 | 2 | -A | A | 4 | -4 | | | | | | |
| $\chi_{45}^{(74)}$ | 8 | -8 | -C | C | -8 | 8 | C | -C | . | . | . | . | . | . | . | . | 2 | -2 | -A | A | -2 | 2 | A | -A | 4 | -4 | | | | | | |
| $\chi_{45}^{(75)}$ | 8 | -8 | C | -C | 8 | -8 | C | -C | 8 | -8 | C | -C | 8 | -8 | C | -C | -4 | 4 | -B | B | -4 | 4 | -B | B | . | . | | | | | | |
| $\chi_{45}^{(76)}$ | 8 | -8 | -C | C | 8 | -8 | -C | C | 8 | -8 | -C | C | 8 | -8 | -C | C | -4 | 4 | B | -B | -4 | 4 | B | -B | . | . | | | | | | |
| $\chi_{45}^{(77)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(78)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(79)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(80)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(81)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(82)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(83)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(84)}$ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | -3 | -3 | -3 | -3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(85)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(86)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(87)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(88)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 | | | | | | |
| $\chi_{45}^{(89)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |
| $\chi_{45}^{(90)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | -3 | -3 | | | | | | |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | | | | | | |
|---------------------|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| $\chi_{45}^{(91)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 |
| $\chi_{45}^{(92)}$ | 9 | 9 | -9 | -9 | 9 | 9 | -9 | -9 | 1 | 1 | -1 | -1 | -3 | -3 | 3 | 3 | . | . | . | . | . | . | . | . | 3 | 3 |
| $\chi_{45}^{(93)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | 6 | 6 |
| $\chi_{45}^{(94)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | 6 | 6 |
| $\chi_{45}^{(95)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | -6 | -6 |
| $\chi_{45}^{(96)}$ | 12 | 12 | -12 | -12 | -12 | -12 | 12 | 12 | . | . | . | . | . | . | . | . | 3 | 3 | -3 | -3 | -3 | -3 | 3 | 3 | -6 | -6 |
| $\chi_{45}^{(97)}$ | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | -4 | -4 | -4 | -4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(98)}$ | 12 | 12 | -12 | -12 | 12 | 12 | -12 | -12 | -4 | -4 | 4 | 4 | 4 | 4 | -4 | -4 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(99)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 6 | 6 |
| $\chi_{45}^{(100)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | 6 | 6 |
| $\chi_{45}^{(101)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -6 | -6 |
| $\chi_{45}^{(102)}$ | 12 | 12 | 12 | 12 | -12 | -12 | -12 | -12 | . | . | . | . | . | . | . | . | 3 | 3 | 3 | 3 | -3 | -3 | -3 | -3 | -6 | -6 |
| $\chi_{45}^{(103)}$ | 12 | -12 | D | -D | 12 | -12 | D | -D | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(104)}$ | 12 | -12 | -D | D | 12 | -12 | -D | D | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(105)}$ | 12 | -12 | D | -D | 12 | -12 | D | -D | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(106)}$ | 12 | -12 | -D | D | 12 | -12 | -D | D | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(107)}$ | 16 | 16 | 16 | 16 | -16 | -16 | -16 | -16 | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | . | . |
| $\chi_{45}^{(108)}$ | 16 | 16 | -16 | -16 | -16 | -16 | 16 | 16 | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . |
| $\chi_{45}^{(109)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | -2 | 2 | -A | A | 2 | -2 | A | -A | . | . |
| $\chi_{45}^{(110)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | -2 | 2 | A | -A | 2 | -2 | -A | A | . | . |
| $\chi_{45}^{(111)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | -2 | 2 | -A | A | 2 | -2 | A | -A | . | . |
| $\chi_{45}^{(112)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | -2 | 2 | A | -A | 2 | -2 | -A | A | . | . |
| $\chi_{45}^{(113)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | 4 | -4 | B | -B | -4 | 4 | -B | B | -8 | 8 |
| $\chi_{45}^{(114)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | 4 | -4 | -B | B | -4 | 4 | B | -B | -8 | 8 |
| $\chi_{45}^{(115)}$ | 16 | -16 | E | -E | -16 | 16 | -E | E | . | . | . | . | . | . | . | . | 4 | -4 | B | -B | -4 | 4 | -B | B | 8 | -8 |
| $\chi_{45}^{(116)}$ | 16 | -16 | -E | E | -16 | 16 | E | -E | . | . | . | . | . | . | . | . | 4 | -4 | -B | B | -4 | 4 | B | -B | 8 | -8 |
| $\chi_{45}^{(117)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 2 | 2 | 2 | 2 | -6 | -6 | -6 | -6 | . | . | . | . | . | . | . | . | -6 | -6 |
| $\chi_{45}^{(118)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 2 | 2 | 2 | 2 | -6 | -6 | -6 | -6 | . | . | . | . | . | . | . | . | 6 | 6 |
| $\chi_{45}^{(119)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | 2 | 2 | -2 | -2 | -6 | -6 | 6 | 6 | . | . | . | . | . | . | . | . | -6 | -6 |
| $\chi_{45}^{(120)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | 2 | 2 | -2 | -2 | -6 | -6 | 6 | 6 | . | . | . | . | . | . | . | . | 6 | 6 |
| $\chi_{45}^{(121)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | -6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(122)}$ | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | -6 | -6 | -6 | -6 | 6 | 6 | 6 | 6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(123)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{45}^{(124)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{45}^{(125)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{45}^{(126)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | 6 | -6 |
| $\chi_{45}^{(127)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{45}^{(128)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{45}^{(129)}$ | 18 | -18 | F | -F | 18 | -18 | F | -F | 2 | -2 | A | -A | -6 | 6 | I | -I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{45}^{(130)}$ | 18 | -18 | -F | F | 18 | -18 | -F | F | 2 | -2 | -A | A | -6 | 6 | -I | I | . | . | . | . | . | . | . | . | -6 | 6 |
| $\chi_{45}^{(131)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | -6 | -6 | 6 | 6 | 6 | 6 | -6 | -6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(132)}$ | 18 | 18 | -18 | -18 | 18 | 18 | -18 | -18 | -6 | -6 | 6 | 6 | 6 | 6 | -6 | -6 | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(133)}$ | 24 | 24 | -24 | -24 | -24 | -24 | 24 | 24 | . | . | . | . | . | . | . | . | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . |
| $\chi_{45}^{(134)}$ | 24 | 24 | -24 | -24 | -24 | -24 | 24 | 24 | . | . | . | . | . | . | . | . | -3 | -3 | 3 | 3 | 3 | 3 | -3 | -3 | . | . |
| $\chi_{45}^{(135)}$ | 24 | 24 | 24 | 24 | -24 | -24 | -24 | -24 | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | . | . |

| | 10 | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | |
|---------------------|----|-----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| $\chi_{45}^{(136)}$ | 24 | 24 | 24 | 24 | -24 | -24 | -24 | -24 | . | . | . | . | . | . | . | . | -3 | -3 | -3 | -3 | 3 | 3 | 3 | 3 | . | . | | | | | | |
| $\chi_{45}^{(137)}$ | 24 | -24 | G | -G | 24 | -24 | G | -G | -8 | 8 | -C | C | 8 | -8 | C | -C | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(138)}$ | 24 | -24 | -G | G | 24 | -24 | -G | G | -8 | 8 | C | -C | 8 | -8 | -C | C | . | . | . | . | . | . | . | . | . | . | | | | | | |
| $\chi_{45}^{(139)}$ | 32 | -32 | H | -H | -32 | 32 | -H | H | . | . | . | . | . | . | . | . | -4 | 4 | -B | B | 4 | -4 | B | -B | . | . | | | | | | |
| $\chi_{45}^{(140)}$ | 32 | -32 | -H | H | -32 | 32 | H | -H | . | . | . | . | . | . | . | . | -4 | 4 | B | -B | 4 | -4 | -B | B | . | . | | | | | | |
| | 30 | | | | | | | | 40 | | | | | | | | 50 | | | | | | | | | | | | | | | |
| $\chi_{45}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| $\chi_{45}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | | |
| $\chi_{45}^{(3)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | | | | | |
| $\chi_{45}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | |
| $\chi_{45}^{(5)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{45}^{(6)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{45}^{(7)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | | | | |
| $\chi_{45}^{(8)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | | | | |
| $\chi_{45}^{(9)}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| $\chi_{45}^{(10)}$ | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | | | | |
| $\chi_{45}^{(11)}$ | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 2 | | | | |
| $\chi_{45}^{(12)}$ | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | 2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 2 | -2 | 2 | -2 | | | | |
| $\chi_{45}^{(13)}$ | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | | | | |
| $\chi_{45}^{(14)}$ | . | . | . | . | . | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | | | | |
| $\chi_{45}^{(15)}$ | . | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 1 | -1 | 1 | -1 | . | . | | | | | |
| $\chi_{45}^{(16)}$ | . | . | . | . | . | . | . | . | . | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | 1 | -1 | 1 | -1 | . | . | | | | | |
| $\chi_{45}^{(17)}$ | -A | A | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(18)}$ | A | -A | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(19)}$ | -A | A | -2 | 2 | -A | A | -2 | 2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(20)}$ | A | -A | -2 | 2 | A | -A | -2 | 2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(21)}$ | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(22)}$ | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(23)}$ | A | -A | 2 | -2 | A | -A | 2 | -2 | A | -A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(24)}$ | -A | A | 2 | -2 | -A | A | 2 | -2 | -A | A | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | |
| $\chi_{45}^{(25)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | |
| $\chi_{45}^{(26)}$ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | |
| $\chi_{45}^{(27)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | | |
| $\chi_{45}^{(28)}$ | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | | | | |
| $\chi_{45}^{(29)}$ | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{45}^{(30)}$ | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | | | | |
| $\chi_{45}^{(31)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | | | | |
| $\chi_{45}^{(32)}$ | 3 | 3 | -3 | -3 | 3 | 3 | -3 | -3 | 3 | 3 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | | | | |
| $\chi_{45}^{(33)}$ | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | -2 | 2 | | | | |
| $\chi_{45}^{(34)}$ | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | -2 | 2 | | | | |
| $\chi_{45}^{(35)}$ | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | 2 | -2 | | | | |
| $\chi_{45}^{(36)}$ | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | -4 | 4 | 4 | -4 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | 2 | -2 | | | | |
| $\chi_{45}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -2 | -2 | . | | | | |
| $\chi_{45}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | -4 | 4 | -4 | 4 | -4 | 4 | -4 | 4 | -4 | 4 | -4 | 4 | 2 | -2 | 2 | -2 | . | | | | | |
| $\chi_{45}^{(39)}$ | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | 2 | 2 | | | | |
| $\chi_{45}^{(40)}$ | 2 | 2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | 2 | 2 | | | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| $\chi_{45}^{(41)}$ | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | -2 | -2 | | |
| $\chi_{45}^{(42)}$ | -2 | -2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | 4 | 4 | -4 | -4 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | -2 | -2 | | |
| $\chi_{45}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(47)}$ | -B | B | -4 | 4 | -B | B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(48)}$ | B | -B | -4 | 4 | B | -B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(49)}$ | B | -B | 4 | -4 | B | -B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(50)}$ | -B | B | 4 | -4 | -B | B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(51)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(52)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 6 | 6 | 6 | 6 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(55)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | -1 | 1 | -1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(56)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | 2 | -2 | -1 | 1 | -1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -6 | 6 | -6 | 6 | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | 2 | -2 | -6 | 6 | -6 | 6 | -2 | 2 | 2 | -2 | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(59)}$ | 4 | 4 | -4 | -4 | -4 | -4 | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | 2 | 2 | -2 | -2 | . | . | 4 | 4 | | |
| $\chi_{45}^{(60)}$ | -4 | -4 | 4 | 4 | 4 | 4 | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | 2 | 2 | -2 | -2 | . | . | -4 | -4 | | |
| $\chi_{45}^{(61)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | 1 | -1 | -1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(62)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | 1 | -1 | -1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(63)}$ | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | -2 | 2 | 2 | -2 | . | . | -4 | 4 | | |
| $\chi_{45}^{(64)}$ | 4 | 4 | 4 | 4 | -4 | -4 | . | . | . | . | . | . | -8 | 8 | 8 | -8 | . | . | . | . | -2 | 2 | 2 | -2 | . | . | 4 | -4 | | |
| $\chi_{45}^{(65)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(66)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 8 | 8 | -8 | -8 | . | . | . | . | -1 | -1 | 1 | 1 | . | . | . | . | | |
| $\chi_{45}^{(67)}$ | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(68)}$ | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(69)}$ | -B | B | 4 | -4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(70)}$ | B | -B | 4 | -4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(71)}$ | B | -B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(72)}$ | -B | B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(73)}$ | B | -B | -4 | 4 | -B | B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(74)}$ | -B | B | -4 | 4 | B | -B | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(75)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(77)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 5 | 5 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | . | . | . | . | -3 | -3 | 1 | 1 | | |
| $\chi_{45}^{(78)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 5 | 5 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | . | . | . | . | -3 | -3 | 1 | 1 | | |
| $\chi_{45}^{(79)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 5 | 5 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | . | . | . | . | 3 | 3 | -1 | -1 | | |
| $\chi_{45}^{(80)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 5 | 5 | -3 | -3 | -3 | -3 | 1 | 1 | -3 | -3 | . | . | . | . | 3 | 3 | -1 | -1 | | |
| $\chi_{45}^{(81)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | -3 | -3 | 1 | 1 | . | . | . | . | 1 | 1 | -3 | -3 | | |
| $\chi_{45}^{(82)}$ | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | -3 | -3 | 1 | 1 | . | . | . | . | 1 | 1 | -3 | -3 | | |
| $\chi_{45}^{(83)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 9 | 9 | 9 | 9 | -3 | -3 | 1 | 1 | . | . | . | . | -1 | -1 | 3 | 3 | | |
| $\chi_{45}^{(84)}$ | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | 1 | 1 | 9 | 9 | 9 | 9 | -3 | -3 | 1 | 1 | . | . | . | . | -1 | -1 | 3 | 3 | | |
| $\chi_{45}^{(85)}$ | 3 | 3 | -3 | -3 | 3 | 3 | 1 | 1 | -1 | -1 | -5 | 5 | 3 | -3 | 3 | -3 | -1 | 1 | 3 | -3 | . | . | . | . | 3 | -3 | -1 | 1 | | |

| | 30 | | | | | | | | | | 40 | | | | | | | | | | 50 | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| $\chi_{45}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | -2 | 2 | 6 | -6 | 6 | -6 | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | -2 | 2 | 6 | -6 | 6 | -6 | 2 | -2 | -2 | 2 | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(133)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | . | . | . | |
| $\chi_{45}^{(134)}$ | . | . | . | . | . | . | . | . | . | . | . | . | 8 | -8 | -8 | 8 | . | . | . | . | -1 | 1 | 1 | -1 | . | . | . | . | . | |
| $\chi_{45}^{(135)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | |
| $\chi_{45}^{(136)}$ | . | . | . | . | . | . | . | . | . | . | . | . | -8 | -8 | 8 | 8 | . | . | . | . | 1 | 1 | -1 | -1 | . | . | . | . | . | |
| $\chi_{45}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| | 60 | | | | | | | | | | 70 | | | | | | | | | | | | | | | | | | | |
| $\chi_{45}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{45}^{(2)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{45}^{(3)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | |
| $\chi_{45}^{(4)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{45}^{(5)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{45}^{(6)}$ | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | |
| $\chi_{45}^{(7)}$ | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | |
| $\chi_{45}^{(8)}$ | -1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | |
| $\chi_{45}^{(9)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| $\chi_{45}^{(10)}$ | -2 | -2 | -2 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | |
| $\chi_{45}^{(11)}$ | -2 | 2 | -2 | 2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | |
| $\chi_{45}^{(12)}$ | 2 | -2 | 2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | |
| $\chi_{45}^{(13)}$ | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | |
| $\chi_{45}^{(14)}$ | . | . | . | . | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | . | |
| $\chi_{45}^{(15)}$ | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | . | |
| $\chi_{45}^{(16)}$ | . | . | . | . | 2 | 2 | -2 | -2 | 2 | 2 | -2 | -2 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | . | |
| $\chi_{45}^{(17)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | 1 | |
| $\chi_{45}^{(18)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | 1 | |
| $\chi_{45}^{(19)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | 1 | |
| $\chi_{45}^{(20)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | 1 | |
| $\chi_{45}^{(21)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | |
| $\chi_{45}^{(22)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | |
| $\chi_{45}^{(23)}$ | . | . | . | . | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | 1 | J | -J | -1 | |
| $\chi_{45}^{(24)}$ | . | . | . | . | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | 1 | -J | J | -1 | |
| $\chi_{45}^{(25)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(26)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(27)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(28)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(29)}$ | 1 | -1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(30)}$ | 1 | -1 | 1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(31)}$ | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(32)}$ | -1 | 1 | -1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(33)}$ | 2 | -2 | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | 1 | 1 | |
| $\chi_{45}^{(34)}$ | 2 | -2 | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | 1 | 1 | |
| $\chi_{45}^{(35)}$ | -2 | 2 | . | . | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | -2 | -2 | -1 | -1 | |

| | 80 | | | | | | | 90 | | | | | | | 100 | | | | | | |
|---------------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|--|--|
| $\chi_{45}^{(76)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(77)}$ | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | | |
| $\chi_{45}^{(78)}$ | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . | | |
| $\chi_{45}^{(79)}$ | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | | |
| $\chi_{45}^{(80)}$ | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . | | |
| $\chi_{45}^{(81)}$ | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | | |
| $\chi_{45}^{(82)}$ | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . | | |
| $\chi_{45}^{(83)}$ | . | . | . | . | . | . | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | -1 | -1 | -1 | -1 | . | | |
| $\chi_{45}^{(84)}$ | . | . | . | . | . | . | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | 1 | 1 | 1 | 1 | . | | |
| $\chi_{45}^{(85)}$ | . | . | . | . | . | . | K | K | -K | -K | K | K | -K | -K | -J | -J | J | J | . | | |
| $\chi_{45}^{(86)}$ | . | . | . | . | . | . | -K | -K | K | K | -K | -K | K | K | J | J | -J | -J | . | | |
| $\chi_{45}^{(87)}$ | . | . | . | . | . | . | K | K | -K | -K | K | K | -K | -K | -J | -J | J | J | . | | |
| $\chi_{45}^{(88)}$ | . | . | . | . | . | . | -K | -K | K | K | -K | -K | K | K | J | J | -J | -J | . | | |
| $\chi_{45}^{(89)}$ | . | . | . | . | . | . | K | K | -K | -K | K | K | -K | -K | -J | -J | J | J | . | | |
| $\chi_{45}^{(90)}$ | . | . | . | . | . | . | -K | -K | K | K | -K | -K | K | K | J | J | -J | -J | . | | |
| $\chi_{45}^{(91)}$ | . | . | . | . | . | . | K | K | -K | -K | K | K | -K | -K | -J | -J | J | J | . | | |
| $\chi_{45}^{(92)}$ | . | . | . | . | . | . | -K | -K | K | K | -K | -K | K | K | J | J | -J | -J | . | | |
| $\chi_{45}^{(93)}$ | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | -1 | | |
| $\chi_{45}^{(94)}$ | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 1 | | |
| $\chi_{45}^{(95)}$ | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | -1 | | |
| $\chi_{45}^{(96)}$ | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | 1 | | |
| $\chi_{45}^{(97)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(98)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(99)}$ | . | . | . | . | . | . | -A | -A | -A | -A | A | A | A | A | . | . | . | . | -J | | |
| $\chi_{45}^{(100)}$ | . | . | . | . | . | . | A | A | A | A | -A | -A | -A | -A | . | . | . | . | J | | |
| $\chi_{45}^{(101)}$ | . | . | . | . | . | . | -A | -A | -A | -A | A | A | A | A | . | . | . | . | -J | | |
| $\chi_{45}^{(102)}$ | . | . | . | . | . | . | A | A | A | A | -A | -A | -A | -A | . | . | . | . | J | | |
| $\chi_{45}^{(103)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(104)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(105)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(106)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(107)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(108)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(109)}$ | . | . | . | . | . | . | N | -N | /N | -/N | -N | N | -/N | /N | . | . | . | . | -/L | | |
| $\chi_{45}^{(110)}$ | . | . | . | . | . | . | /N | -/N | N | -N | -/N | /N | -N | N | . | . | . | . | -L | | |
| $\chi_{45}^{(111)}$ | . | . | . | . | . | . | -N | N | -/N | /N | N | -N | /N | -/N | . | . | . | . | /L | | |
| $\chi_{45}^{(112)}$ | . | . | . | . | . | . | -/N | /N | -N | N | /N | -/N | N | -N | . | . | . | . | L | | |
| $\chi_{45}^{(113)}$ | 1 | J | -J | 1 | -1 | -J | J | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(114)}$ | 1 | -J | J | 1 | -1 | J | -J | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(115)}$ | -1 | -J | J | -1 | 1 | J | -J | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(116)}$ | -1 | J | -J | -1 | 1 | -J | J | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |

| | 80 | | | | 90 | | | | | | | | 100 | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| $\chi_{45}^{(121)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(122)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | |
| $\chi_{45}^{(123)}$ | . | . | . | . | . | O | -O | -/O | /O | O | -O | -/O | /O | L | -L | -/L | /L | . | . | . | . |
| $\chi_{45}^{(124)}$ | . | . | . | . | . | /O | -/O | -O | O | /O | -/O | -O | O | /L | -/L | -L | L | . | . | . | . |
| $\chi_{45}^{(125)}$ | . | . | . | . | . | -O | O | /O | -/O | -O | O | /O | -/O | -L | L | /L | -/L | . | . | . | . |
| $\chi_{45}^{(126)}$ | . | . | . | . | . | -/O | /O | O | -O | -/O | /O | O | -O | -/L | /L | L | -L | . | . | . | . |
| $\chi_{45}^{(127)}$ | . | . | . | . | . | O | -O | -/O | /O | O | -O | -/O | /O | L | -L | -/L | /L | . | . | . | . |
| $\chi_{45}^{(128)}$ | . | . | . | . | . | /O | -/O | -O | O | /O | -/O | -O | O | /L | -/L | -L | L | . | . | . | . |
| $\chi_{45}^{(129)}$ | . | . | . | . | . | -O | O | /O | -/O | -O | O | /O | -/O | -L | L | /L | -/L | . | . | . | . |
| $\chi_{45}^{(130)}$ | . | . | . | . | . | -/O | /O | O | -O | -/O | /O | O | -O | -/L | /L | L | -L | . | . | . | . |
| $\chi_{45}^{(131)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(132)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(133)}$ | . | . | . | . | . | 4 | 4 | -4 | -4 | -4 | -4 | 4 | 4 | . | . | . | . | 1 | 1 | -1 | -1 |
| $\chi_{45}^{(134)}$ | . | . | . | . | . | -4 | -4 | 4 | 4 | 4 | 4 | -4 | -4 | . | . | . | . | -1 | -1 | 1 | 1 |
| $\chi_{45}^{(135)}$ | . | . | . | . | . | -B | -B | -B | -B | B | B | B | B | . | . | . | . | J | J | J | J |
| $\chi_{45}^{(136)}$ | . | . | . | . | . | B | B | B | B | -B | -B | -B | -B | . | . | . | . | -J | -J | -J | -J |
| $\chi_{45}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | | | | 110 | | | | | | | | 120 | | | | | | | | |
| $\chi_{45}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{45}^{(2)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{45}^{(3)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 |
| $\chi_{45}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{45}^{(5)}$ | -J | -J | J | J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J |
| $\chi_{45}^{(6)}$ | J | J | -J | -J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J |
| $\chi_{45}^{(7)}$ | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J |
| $\chi_{45}^{(8)}$ | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J |
| $\chi_{45}^{(9)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(10)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(11)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(12)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(13)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 |
| $\chi_{45}^{(14)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 |
| $\chi_{45}^{(15)}$ | J | J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -A |
| $\chi_{45}^{(16)}$ | -J | -J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | A |
| $\chi_{45}^{(17)}$ | L | -L | -/L | /L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | . |
| $\chi_{45}^{(18)}$ | /L | -/L | -L | L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | . |
| $\chi_{45}^{(19)}$ | -L | L | /L | -/L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | . |
| $\chi_{45}^{(20)}$ | -/L | /L | L | -L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | . |
| $\chi_{45}^{(21)}$ | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | . |
| $\chi_{45}^{(22)}$ | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | . |
| $\chi_{45}^{(23)}$ | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | . |
| $\chi_{45}^{(24)}$ | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | . |
| $\chi_{45}^{(25)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |

| | 110 | | | | | | | | | | | | | | | | 120 | | | | | | | |
|--------------------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|--|--|
| $\chi_{45}^{(26)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | | |
| $\chi_{45}^{(27)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| $\chi_{45}^{(28)}$ | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| $\chi_{45}^{(29)}$ | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | -J | | |
| $\chi_{45}^{(30)}$ | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | J | | |
| $\chi_{45}^{(31)}$ | J | J | -J | -J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | J | -J | | |
| $\chi_{45}^{(32)}$ | -J | -J | J | J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | J | J | -J | -J | -J | J | | |
| $\chi_{45}^{(33)}$ | -1 | -1 | 1 | 1 | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(34)}$ | 1 | 1 | -1 | -1 | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(35)}$ | -1 | -1 | 1 | 1 | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(36)}$ | 1 | 1 | -1 | -1 | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(39)}$ | J | J | J | J | . | . | . | . | A | A | A | A | -A | -A | -A | -A | . | . | . | . | . | . | | |
| $\chi_{45}^{(40)}$ | -J | -J | -J | -J | . | . | . | . | -A | -A | -A | -A | A | A | A | A | . | . | . | . | . | . | | |
| $\chi_{45}^{(41)}$ | J | J | J | J | . | . | . | . | -A | -A | -A | -A | A | A | A | A | . | . | . | . | . | . | | |
| $\chi_{45}^{(42)}$ | -J | -J | -J | -J | . | . | . | . | A | A | A | A | -A | -A | -A | -A | . | . | . | . | . | . | | |
| $\chi_{45}^{(43)}$ | -L | L | /L | -/L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(44)}$ | -/L | /L | L | -L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(45)}$ | L | -L | -/L | /L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(46)}$ | /L | -/L | -L | L | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(47)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(48)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(49)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(50)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(51)}$ | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -2 | -2 | | |
| $\chi_{45}^{(52)}$ | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 2 | 2 | | |
| $\chi_{45}^{(53)}$ | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(54)}$ | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | |
| $\chi_{45}^{(55)}$ | -J | -J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | -A | A | | |
| $\chi_{45}^{(56)}$ | J | J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | A | -A | | |
| $\chi_{45}^{(57)}$ | . | . | . | . | A | A | -A | -A | -A | -A | A | A | -A | -A | A | A | . | . | . | . | . | . | | |
| $\chi_{45}^{(58)}$ | . | . | . | . | -A | -A | A | A | A | A | -A | -A | A | A | -A | -A | . | . | . | . | . | . | | |
| $\chi_{45}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(61)}$ | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(62)}$ | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(65)}$ | -J | -J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(66)}$ | J | J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | |
| $\chi_{45}^{(67)}$ | -/L | /L | -L | L | . | . | . | . | -/M | /M | -M | M | /M | -/M | M | -M | . | . | . | . | . | . | | |
| $\chi_{45}^{(68)}$ | -L | L | -/L | /L | . | . | . | . | -M | M | -/M | /M | M | -M | /M | -/M | . | . | . | . | . | . | | |
| $\chi_{45}^{(69)}$ | /L | -/L | L | -L | . | . | . | . | /M | -/M | M | -M | -/M | /M | -M | M | . | . | . | . | . | . | | |
| $\chi_{45}^{(70)}$ | L | -L | /L | -/L | . | . | . | . | M | -M | /M | -/M | -M | M | -/M | /M | . | . | . | . | . | . | | |

| | 110 | | | | | | | | | | | | | | | 120 | | | | | | | | | |
|---------------------|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|--|--|--|
| $\chi_{45}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(121)}$ | . | . | . | . | -2 | -2 | -2 | -2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | . | . | . | . | . | . | | | |
| $\chi_{45}^{(122)}$ | . | . | . | . | 2 | 2 | 2 | 2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | -2 | . | . | . | . | . | . | | | |
| $\chi_{45}^{(123)}$ | . | . | . | . | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | L | -L | -/L | /L | . | . | | | |
| $\chi_{45}^{(124)}$ | . | . | . | . | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | /L | -/L | -L | L | . | . | | | |
| $\chi_{45}^{(125)}$ | . | . | . | . | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | -L | L | /L | -/L | . | . | | | |
| $\chi_{45}^{(126)}$ | . | . | . | . | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | -/L | /L | L | -L | . | . | | | |
| $\chi_{45}^{(127)}$ | . | . | . | . | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | -L | L | /L | -/L | . | . | | | |
| $\chi_{45}^{(128)}$ | . | . | . | . | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | -/L | /L | L | -L | . | . | | | |
| $\chi_{45}^{(129)}$ | . | . | . | . | -L | L | /L | -/L | -L | L | /L | -/L | -L | L | /L | -/L | L | -L | -/L | /L | . | . | | | |
| $\chi_{45}^{(130)}$ | . | . | . | . | -/L | /L | L | -L | -/L | /L | L | -L | -/L | /L | L | -L | /L | -/L | -L | L | . | . | | | |
| $\chi_{45}^{(131)}$ | . | . | . | . | -A | -A | A | A | A | A | -A | -A | A | A | -A | -A | . | . | . | . | . | . | | | |
| $\chi_{45}^{(132)}$ | . | . | . | . | A | A | -A | -A | -A | -A | A | A | -A | -A | A | A | . | . | . | . | . | . | | | |
| $\chi_{45}^{(133)}$ | -1 | -1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(134)}$ | 1 | 1 | -1 | -1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(135)}$ | -J | -J | -J | -J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(136)}$ | J | J | J | J | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| $\chi_{45}^{(141)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | |
| | 130 | | | | | | | | | | | | | | | 140 | | | | | | | | | |
| $\chi_{45}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| $\chi_{45}^{(2)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| $\chi_{45}^{(3)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | |
| $\chi_{45}^{(4)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | |
| $\chi_{45}^{(5)}$ | J | -J | J | -J | J | -J | J | -J | -J | J | -J | J | -J | J | -J | J | | | | | | | | | |
| $\chi_{45}^{(6)}$ | -J | J | -J | J | -J | J | -J | J | J | -J | J | -J | J | -J | J | -J | | | | | | | | | |
| $\chi_{45}^{(7)}$ | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | | | | | | | | | |
| $\chi_{45}^{(8)}$ | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | | | | | | | | | |
| $\chi_{45}^{(9)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(10)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(11)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(12)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(13)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(14)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(15)}$ | -A | A | -A | A | -J | J | -J | J | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(16)}$ | A | -A | A | -A | J | -J | J | -J | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(17)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(18)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(19)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |
| $\chi_{45}^{(20)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | | | | | | | | |

| | 130 | | | | | | | | | | | | | | | 140 |
|--------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| $\chi_{45}^{(21)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(22)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(23)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(24)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(25)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{45}^{(26)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{45}^{(27)}$ | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{45}^{(28)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{45}^{(29)}$ | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J |
| $\chi_{45}^{(30)}$ | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J | -J | J |
| $\chi_{45}^{(31)}$ | J | -J | J | -J | J | -J | J | -J | -J | J | -J | J | -J | J | -J | J |
| $\chi_{45}^{(32)}$ | -J | J | -J | J | -J | J | -J | J | J | -J | J | -J | J | -J | J | -J |
| $\chi_{45}^{(33)}$ | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | . | . | . | . | 2 | -2 | -2 | 2 |
| $\chi_{45}^{(34)}$ | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | . | . | . | . | -2 | 2 | 2 | -2 |
| $\chi_{45}^{(35)}$ | -2 | 2 | 2 | -2 | -1 | 1 | 1 | -1 | . | . | . | . | -2 | 2 | 2 | -2 |
| $\chi_{45}^{(36)}$ | 2 | -2 | -2 | 2 | 1 | -1 | -1 | 1 | . | . | . | . | 2 | -2 | -2 | 2 |
| $\chi_{45}^{(37)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(38)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(39)}$ | A | A | -A | -A | -J | -J | J | J | . | . | . | . | -A | -A | A | A |
| $\chi_{45}^{(40)}$ | -A | -A | A | A | J | J | -J | -J | . | . | . | . | A | A | -A | -A |
| $\chi_{45}^{(41)}$ | A | A | -A | -A | -J | -J | J | J | . | . | . | . | A | A | -A | -A |
| $\chi_{45}^{(42)}$ | -A | -A | A | A | J | J | -J | -J | . | . | . | . | -A | -A | A | A |
| $\chi_{45}^{(43)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(44)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(45)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(46)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(47)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(48)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(49)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(50)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(51)}$ | -2 | -2 | -2 | -2 | 1 | 1 | 1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(52)}$ | 2 | 2 | 2 | 2 | -1 | -1 | -1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(53)}$ | . | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 |
| $\chi_{45}^{(54)}$ | . | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 |
| $\chi_{45}^{(55)}$ | -A | A | -A | A | -J | J | -J | J | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(56)}$ | A | -A | A | -A | J | -J | J | -J | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(57)}$ | . | . | . | . | . | . | . | . | . | . | -A | A | A | -A | A | -A |
| $\chi_{45}^{(58)}$ | . | . | . | . | . | . | . | . | . | . | A | -A | -A | A | -A | A |
| $\chi_{45}^{(59)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(60)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(61)}$ | -4 | 4 | 4 | -4 | 1 | -1 | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(62)}$ | 4 | -4 | -4 | 4 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(63)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(64)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(65)}$ | B | B | -B | -B | J | J | -J | -J | . | . | . | . | . | . | . | . |

[illegible]

| | 130 | | | | | | | | | | 140 | | | | | |
|---------------------|-----|----|----|----|----|----|----|----|---|----|-----|----|----|----|----|----|
| $\chi_{45}^{(111)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(112)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(113)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(114)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(115)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(116)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(117)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(118)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(119)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(120)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(121)}$ | . | . | . | . | . | . | . | . | . | 2 | 2 | -2 | -2 | -2 | -2 | -2 |
| $\chi_{45}^{(122)}$ | . | . | . | . | . | . | . | . | . | -2 | -2 | 2 | 2 | 2 | 2 | 2 |
| $\chi_{45}^{(123)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(124)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(125)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(126)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(127)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(128)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(129)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(130)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(131)}$ | . | . | . | . | . | . | . | . | . | -A | A | A | -A | A | -A | -A |
| $\chi_{45}^{(132)}$ | . | . | . | . | . | . | . | . | . | A | -A | -A | A | -A | A | A |
| $\chi_{45}^{(133)}$ | -4 | 4 | 4 | -4 | 1 | -1 | -1 | 1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(134)}$ | 4 | -4 | -4 | 4 | -1 | 1 | 1 | -1 | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(135)}$ | -B | -B | B | B | -J | -J | J | J | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(136)}$ | B | B | -B | -B | J | J | -J | -J | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(137)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(138)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(139)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| $\chi_{45}^{(140)}$ | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

where $A = -2^*E(4) = -2^*ER(-1) = -2i$, $B = -4^*E(4) = -4^*ER(-1) = -4i$, $C = -8^*E(4) = -8^*ER(-1) = -8i$, $D = -12^*E(4) = -12^*ER(-1) = -12i$, $E = -16^*E(4) = -16^*ER(-1) = -16i$, $F = -18^*E(4) = -18^*ER(-1) = -18i$, $G = -24^*E(4) = -24^*ER(-1) = -24i$, $H = -32^*E(4) = -32^*ER(-1) = -32i$, $I = 6^*E(4) = 6^*ER(-1) = 6i$, $J = E(4) = ER(-1) = i$, $K = 3^*E(4) = 3^*ER(-1) = 3i$, $L = -1+E(4) = -1+ER(-1) = -1+i$, $M = -2+2^*E(4) = -2+2^*ER(-1) = -2+2i$, $N = 4+4^*E(4) = 4+4^*ER(-1) = 4+4i$, $O = 3-3^*E(4) = 3-3^*ER(-1) = 3-3i$.

[illegible]

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$$\begin{pmatrix} 2 & 0 & -1 & 0 & -1 & 2 & -1 & 0 \\ 2 & 1 & -2 & 0 & -1 & 3 & -2 & 0 \\ 3 & 1 & -2 & 0 & -2 & 4 & -2 & 0 \\ 4 & 1 & -4 & 1 & -3 & 6 & -3 & 0 \\ 3 & 0 & -3 & 1 & -2 & 5 & -3 & 0 \\ 2 & 0 & -2 & 0 & -1 & 4 & -2 & 0 \\ 2 & 0 & -2 & 0 & 0 & 2 & -1 & 0 \\ 1 & 0 & -1 & 0 & 0 & 1 & -1 & 1 \end{pmatrix}, \begin{pmatrix} 2 & 0 & -1 & 0 & -1 & 2 & -1 & 0 \\ 2 & 1 & -2 & 0 & -1 & 3 & -2 & 0 \\ 3 & 1 & -2 & 0 & -2 & 4 & -2 & 0 \\ 4 & 1 & -4 & 1 & -3 & 6 & -3 & 0 \\ 3 & 0 & -3 & 1 & -2 & 5 & -3 & 0 \\ 2 & 0 & -2 & 0 & -1 & 4 & -2 & 0 \\ 2 & 0 & -2 & 0 & 0 & 2 & -1 & 0 \\ 1 & 0 & -1 & 0 & 0 & 1 & 0 & -1 \end{pmatrix}, \begin{pmatrix} 2 & 1 & -1 & 0 & -1 & 1 & -1 & 0 \\ 2 & 2 & -2 & 0 & -1 & 2 & -2 & 0 \\ 3 & 3 & -2 & 0 & -2 & 2 & -2 & 0 \\ 4 & 4 & -4 & 1 & -3 & 3 & -3 & 0 \\ 3 & 3 & -3 & 1 & -2 & 2 & -3 & 0 \\ 2 & 3 & -2 & 0 & -1 & 1 & -2 & 0 \\ 2 & 2 & -2 & 0 & 0 & 0 & -1 & 0 \\ 1 & 1 & -1 & 0 & 0 & 0 & -1 & 1 \end{pmatrix}, \\
\begin{pmatrix} 2 & 1 & -1 & 0 & -1 & 1 & -1 & 0 \\ 2 & 2 & -2 & 0 & -1 & 2 & -2 & 0 \\ 3 & 3 & -2 & 0 & -2 & 2 & -2 & 0 \\ 4 & 4 & -4 & 1 & -3 & 3 & -3 & 0 \\ 3 & 3 & -3 & 1 & -2 & 2 & -3 & 0 \\ 2 & 3 & -2 & 0 & -1 & 1 & -2 & 0 \end{pmatrix}.$$

The character table of $G^{s_{46}}$:

| | 10 | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | |
|--------------------|----|----|----|----|----|----|-----|-----|----|----|----|----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\chi_{46}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(2)}$ | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(3)}$ | 1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(4)}$ | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(5)}$ | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | 1 |
| $\chi_{46}^{(6)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | 1 |
| $\chi_{46}^{(7)}$ | 1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(8)}$ | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 |
| $\chi_{46}^{(9)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 |
| $\chi_{46}^{(10)}$ | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(11)}$ | 1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{46}^{(12)}$ | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 |
| $\chi_{46}^{(13)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(14)}$ | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(15)}$ | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(16)}$ | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{46}^{(17)}$ | 1 | 1 | 1 | -1 | 1 | -1 | A | -A | -1 | 1 | -1 | 1 | -A | A | 1 | -1 | -A | A | A | -A | A | -A | -A | -A | -A | A | -A | -A |
| $\chi_{46}^{(18)}$ | 1 | 1 | 1 | -1 | 1 | -1 | -A | A | -1 | 1 | -1 | 1 | A | -A | 1 | -1 | A | -A | -A | A | -A | A | -A | A | -A | -A | A | A |
| $\chi_{46}^{(19)}$ | 1 | -1 | -1 | 1 | -1 | 1 | A | -A | -1 | 1 | 1 | -1 | -A | A | 1 | -1 | -A | A | A | -A | -A | A | -A | A | -A | A | A | A |
| $\chi_{46}^{(20)}$ | 1 | -1 | -1 | 1 | -1 | 1 | -A | A | -1 | 1 | 1 | -1 | A | -A | 1 | -1 | A | -A | -A | A | A | -A | A | -A | A | -A | -A | -A |
| $\chi_{46}^{(21)}$ | 1 | A | A | -A | 1 | -1 | B | -B | A | -A | -1 | 1 | -B | B | -A | A | /B | -/B | -/B | /B | -B | B | -/B | /B | B | -/B | /B | B |
| $\chi_{46}^{(22)}$ | 1 | A | A | -A | 1 | -1 | -B | B | A | -A | -1 | 1 | B | -B | -A | A | -/B | /B | /B | -/B | B | -B | /B | -/B | -B | -/B | -B | -B |
| $\chi_{46}^{(23)}$ | 1 | -A | -A | A | 1 | -1 | -/B | /B | -A | A | -1 | 1 | /B | -/B | A | -A | -B | B | B | -B | /B | -/B | B | -B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(24)}$ | 1 | -A | -A | A | 1 | -1 | /B | -/B | -A | A | -1 | 1 | -/B | /B | A | -A | B | -B | -B | B | -/B | /B | -B | B | /B | -B | B | /B |
| $\chi_{46}^{(25)}$ | 1 | -A | -A | A | -1 | 1 | B | -B | A | -A | 1 | -1 | -B | B | -A | A | /B | -/B | -/B | /B | B | -B | -/B | /B | -B | -/B | -B | -B |
| $\chi_{46}^{(26)}$ | 1 | -A | -A | A | -1 | 1 | -B | B | A | -A | 1 | -1 | B | -B | -A | A | -/B | /B | /B | -/B | -B | B | /B | -/B | -B | -/B | -B | B |
| $\chi_{46}^{(27)}$ | 1 | A | A | -A | -1 | 1 | -/B | /B | -A | A | 1 | -1 | /B | -/B | A | -A | -B | B | B | -B | -/B | /B | B | -B | /B | -B | -/B | /B |
| $\chi_{46}^{(28)}$ | 1 | A | A | -A | -1 | 1 | /B | -/B | -A | A | 1 | -1 | -/B | /B | A | -A | B | -B | -B | B | /B | -/B | -B | B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(29)}$ | 1 | 1 | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | 1 | -1 | -A | A | -1 | 1 | A | -A | A | -A | -A | A | A | -A | -A | -A | -A | -A |
| $\chi_{46}^{(30)}$ | 1 | 1 | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | 1 | -1 | A | -A | -1 | 1 | -A | A | -A | A | A | -A | -A | A | -A | A | A | A |
| $\chi_{46}^{(31)}$ | 1 | -1 | 1 | -1 | -1 | 1 | -A | A | -1 | 1 | -1 | 1 | -A | A | -1 | 1 | A | -A | A | -A | A | -A | A | -A | A | -A | A | A |
| $\chi_{46}^{(32)}$ | 1 | -1 | 1 | -1 | -1 | 1 | A | -A | -1 | 1 | -1 | 1 | A | -A | -1 | 1 | -A | A | -A | A | -A | A | -A | A | -A | A | -A | -A |
| $\chi_{46}^{(33)}$ | 1 | A | -A | A | 1 | -1 | -B | B | A | -A | 1 | -1 | -B | B | A | -A | -/B | /B | -/B | /B | B | -B | /B | -/B | -B | -/B | -B | B |
| $\chi_{46}^{(34)}$ | 1 | A | -A | A | 1 | -1 | B | -B | A | -A | 1 | -1 | B | -B | A | -A | /B | -/B | /B | -/B | -B | B | -/B | /B | -B | -/B | -B | -B |
| $\chi_{46}^{(35)}$ | 1 | -A | A | -A | 1 | -1 | /B | -/B | -A | A | 1 | -1 | /B | -/B | -A | A | B | -B | B | -B | -/B | /B | -B | B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(36)}$ | 1 | -A | A | -A | 1 | -1 | -/B | /B | -A | A | 1 | -1 | -/B | /B | -A | A | -B | B | -B | B | /B | -/B | B | -B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(37)}$ | 1 | -A | A | -A | -1 | 1 | -B | B | A | -A | -1 | 1 | -B | B | A | -A | -/B | /B | -/B | /B | -B | B | /B | -/B | -B | -/B | -B | -B |
| $\chi_{46}^{(38)}$ | 1 | -A | A | -A | -1 | 1 | B | -B | A | -A | -1 | 1 | B | -B | A | -A | /B | -/B | /B | -/B | B | -B | -/B | /B | -B | -/B | -B | B |
| $\chi_{46}^{(39)}$ | 1 | A | -A | A | -1 | 1 | /B | -/B | -A | A | -1 | 1 | /B | -/B | -A | A | B | -B | B | -B | /B | -/B | -B | B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(40)}$ | 1 | A | -A | A | -1 | 1 | -/B | /B | -A | A | -1 | 1 | -/B | /B | -A | A | -B | B | -B | B | -/B | /B | B | -B | -/B | -B | -/B | -/B |
| $\chi_{46}^{(41)}$ | 1 | -1 | 1 | 1 | 1 | 1 | A | A | -1 | -1 | -1 | -1 | -A | -A | 1 | 1 | -A | -A | A | A | A | A | -A | -A | -A | -A | -A | -A |
| $\chi_{46}^{(42)}$ | 1 | -1 | 1 | 1 | 1 | 1 | -A | -A | -1 | -1 | -1 | -1 | A | A | 1 | 1 | A | A | -A | -A | -A | -A | A | A | A | A | A | A |
| $\chi_{46}^{(43)}$ | 1 | 1 | -1 | -1 | -1 | -1 | A | A | -1 | -1 | 1 | 1 | -A | -A | 1 | 1 | -A | -A | A | A | -A | -A | -A | -A | -A | -A | -A | A |
| $\chi_{46}^{(44)}$ | 1 | 1 | -1 | -1 | -1 | -1 | -A | -A | -1 | -1 | 1 | 1 | A | A | 1 | 1 | A | A | -A | -A | A | A | A | A | A | A | -A | -A |
| $\chi_{46}^{(45)}$ | 1 | -A | A | A | 1 | 1 | B | B | A | A | -1 | -1 | -B | -B | -A | -A | /B | /B | -/B | -/B | -B | -B | -/B | -/B | -B | -/B | -B | B |

| | 10 | | | | | | | | | | | | 20 | | | | | | | | | | | | |
|--------------------|-----|----|----|----|----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\chi_{46}^{(46)}$ | 1 | -A | A | A | 1 | 1 | -B | -B | A | A | -1 | -1 | B | B | -A | -A | -/B | -/B | /B | /B | B | B | /B | /B | -B |
| $\chi_{46}^{(47)}$ | 1 | A | -A | -A | 1 | 1 | -/B | -/B | -A | -A | -1 | -1 | /B | /B | A | A | -B | -B | B | B | /B | /B | B | B | -/B |
| $\chi_{46}^{(48)}$ | 1 | A | -A | -A | 1 | 1 | /B | /B | -A | -A | -1 | -1 | -/B | -/B | A | A | B | B | -B | -B | -/B | -/B | -B | -B | /B |
| $\chi_{46}^{(49)}$ | 1 | A | -A | -A | -1 | -1 | B | B | A | A | 1 | 1 | -B | -B | -A | -A | /B | /B | -/B | -/B | B | B | -/B | -/B | -B |
| $\chi_{46}^{(50)}$ | 1 | A | -A | -A | -1 | -1 | -B | -B | A | A | 1 | 1 | B | B | -A | -A | -/B | -/B | /B | /B | -B | -B | /B | /B | B |
| $\chi_{46}^{(51)}$ | 1 | -A | A | A | -1 | -1 | -/B | -/B | -A | -A | 1 | 1 | /B | /B | A | A | -B | -B | B | B | -/B | -/B | B | B | /B |
| $\chi_{46}^{(52)}$ | 1 | -A | A | A | -1 | -1 | /B | /B | -A | -A | 1 | 1 | -/B | -/B | A | A | B | B | -B | -B | /B | /B | -B | -B | -/B |
| $\chi_{46}^{(53)}$ | 1 | -1 | -1 | -1 | 1 | 1 | -A | -A | -1 | -1 | 1 | 1 | -A | -A | -1 | -1 | A | A | A | A | -A | -A | A | A | -A |
| $\chi_{46}^{(54)}$ | 1 | -1 | -1 | -1 | 1 | 1 | A | A | -1 | -1 | 1 | 1 | A | A | -1 | -1 | -A | -A | -A | -A | A | A | -A | -A | A |
| $\chi_{46}^{(55)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -A | -A | -1 | -1 | -1 | -1 | -A | -A | -1 | -1 | A | A | A | A | A | A | A | A | A |
| $\chi_{46}^{(56)}$ | 1 | 1 | 1 | 1 | -1 | -1 | A | A | -1 | -1 | -1 | -1 | A | A | -1 | -1 | -A | -A | -A | -A | -A | -A | -A | -A | -A |
| $\chi_{46}^{(57)}$ | 1 | -A | -A | -A | 1 | 1 | -B | -B | A | A | 1 | 1 | -B | -B | A | A | -/B | -/B | -/B | -/B | B | B | /B | /B | B |
| $\chi_{46}^{(58)}$ | 1 | -A | -A | -A | 1 | 1 | B | B | A | A | 1 | 1 | B | B | A | A | /B | /B | /B | /B | -B | -B | -/B | -/B | -B |
| $\chi_{46}^{(59)}$ | 1 | A | A | A | 1 | 1 | /B | /B | -A | -A | 1 | 1 | /B | /B | -A | -A | B | B | B | B | -/B | -/B | -B | -B | -/B |
| $\chi_{46}^{(60)}$ | 1 | A | A | A | 1 | 1 | -/B | -/B | -A | -A | 1 | 1 | -/B | -/B | -A | -A | -B | -B | -B | -B | /B | /B | B | B | /B |
| $\chi_{46}^{(61)}$ | 1 | A | A | A | -1 | -1 | -B | -B | A | A | -1 | -1 | -B | -B | A | A | -/B | -/B | -/B | -/B | -B | -B | /B | /B | -B |
| $\chi_{46}^{(62)}$ | 1 | A | A | A | -1 | -1 | B | B | A | A | -1 | -1 | B | B | A | A | /B | /B | /B | /B | B | B | -/B | -/B | B |
| $\chi_{46}^{(63)}$ | 1 | -A | -A | -A | -1 | -1 | /B | /B | -A | -A | -1 | -1 | /B | /B | -A | -A | B | B | B | B | /B | /B | -B | -B | /B |
| $\chi_{46}^{(64)}$ | 1 | -A | -A | -A | -1 | -1 | -/B | -/B | -A | -A | -1 | -1 | -/B | -/B | -A | -A | -B | -B | -B | -B | -/B | -/B | B | B | -/B |
| | 30 | | | | | | 40 | | | | | | 50 | | | | | | | | | | | | |
| $\chi_{46}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| $\chi_{46}^{(2)}$ | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{46}^{(3)}$ | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(4)}$ | 1 | 1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(5)}$ | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(6)}$ | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 |
| $\chi_{46}^{(7)}$ | 1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(8)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(9)}$ | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(10)}$ | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 |
| $\chi_{46}^{(11)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 |
| $\chi_{46}^{(12)}$ | -1 | 1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 |
| $\chi_{46}^{(13)}$ | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(14)}$ | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 |
| $\chi_{46}^{(15)}$ | -1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| $\chi_{46}^{(16)}$ | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(17)}$ | A | 1 | -1 | 1 | -1 | -A | A | A | -A | -1 | 1 | -1 | 1 | A | -A | A | -A | -A | A | -A | A | A | -A | -1 | 1 |
| $\chi_{46}^{(18)}$ | -A | 1 | -1 | 1 | -1 | A | -A | -A | A | -1 | 1 | -1 | 1 | -A | A | -A | A | A | -A | A | -A | -A | A | -1 | 1 |
| $\chi_{46}^{(19)}$ | -A | 1 | -1 | -1 | 1 | A | -A | A | -A | -1 | 1 | 1 | -1 | A | -A | -A | A | -A | A | A | -A | -A | A | 1 | -1 |
| $\chi_{46}^{(20)}$ | A | 1 | -1 | -1 | 1 | -A | A | -A | A | -1 | 1 | 1 | -1 | -A | A | A | -A | A | -A | -A | A | A | -A | 1 | -1 |
| $\chi_{46}^{(21)}$ | -B | -1 | 1 | -1 | 1 | -/B | /B | /B | -/B | 1 | -1 | 1 | -1 | -B | B | /B | -/B | B | -B | /B | -/B | -/B | /B | A | -A |
| $\chi_{46}^{(22)}$ | B | -1 | 1 | -1 | 1 | /B | -/B | -/B | /B | 1 | -1 | 1 | -1 | B | -B | -/B | /B | -B | B | -/B | /B | /B | -/B | A | -A |
| $\chi_{46}^{(23)}$ | /B | -1 | 1 | -1 | 1 | B | -B | -B | B | 1 | -1 | 1 | -1 | /B | -/B | -B | B | -/B | /B | -B | B | B | -B | -A | A |
| $\chi_{46}^{(24)}$ | -/B | -1 | 1 | -1 | 1 | -B | B | B | -B | 1 | -1 | 1 | -1 | -/B | /B | B | -B | /B | -/B | B | -B | -B | B | -A | A |
| $\chi_{46}^{(25)}$ | B | -1 | 1 | 1 | -1 | /B | -/B | /B | -/B | 1 | -1 | -1 | 1 | -B | B | -/B | /B | B | -B | -/B | /B | /B | -/B | -A | A |

| | 30 | | | | | | | | | | | | 40 | | | | | | | | | | | | 50 | |
|--------------------|-----|----|----|----|----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
| $\chi_{46}^{(26)}$ | -B | -1 | 1 | 1 | -1 | -/B | /B | -/B | /B | 1 | -1 | -1 | 1 | B | -B | /B | -/B | -B | B | /B | -/B | -/B | /B | -A | A | |
| $\chi_{46}^{(27)}$ | -/B | -1 | 1 | 1 | -1 | -B | B | -B | B | 1 | -1 | -1 | 1 | /B | -/B | B | -B | -/B | /B | B | -B | -B | B | A | -A | |
| $\chi_{46}^{(28)}$ | /B | -1 | 1 | 1 | -1 | B | -B | B | -B | 1 | -1 | -1 | 1 | -/B | /B | -B | B | /B | -/B | -B | B | B | -B | A | -A | |
| $\chi_{46}^{(29)}$ | A | 1 | -1 | 1 | -1 | A | -A | A | -A | 1 | -1 | 1 | -1 | -A | A | A | -A | -A | A | A | -A | A | -A | -1 | 1 | |
| $\chi_{46}^{(30)}$ | -A | 1 | -1 | 1 | -1 | -A | A | -A | A | 1 | -1 | 1 | -1 | A | -A | -A | A | A | -A | -A | A | -A | A | -1 | 1 | |
| $\chi_{46}^{(31)}$ | -A | 1 | -1 | -1 | 1 | -A | A | A | -A | 1 | -1 | -1 | 1 | -A | A | -A | A | -A | A | -A | A | -A | A | 1 | -1 | |
| $\chi_{46}^{(32)}$ | A | 1 | -1 | -1 | 1 | A | -A | -A | A | 1 | -1 | -1 | 1 | A | -A | A | -A | A | -A | A | -A | A | -A | 1 | -1 | |
| $\chi_{46}^{(33)}$ | -B | -1 | 1 | -1 | 1 | /B | -/B | /B | -/B | -1 | 1 | -1 | 1 | B | -B | /B | -/B | B | -B | -/B | /B | -/B | /B | A | -A | |
| $\chi_{46}^{(34)}$ | B | -1 | 1 | -1 | 1 | -/B | /B | -/B | /B | -1 | 1 | -1 | 1 | -B | B | -/B | /B | -B | B | /B | -/B | /B | -/B | A | -A | |
| $\chi_{46}^{(35)}$ | /B | -1 | 1 | -1 | 1 | -B | B | -B | B | -1 | 1 | -1 | 1 | -/B | /B | -B | B | -/B | /B | B | -B | B | -B | -A | A | |
| $\chi_{46}^{(36)}$ | -/B | -1 | 1 | -1 | 1 | B | -B | B | -B | -1 | 1 | -1 | 1 | /B | -/B | B | -B | /B | -/B | -B | B | -B | B | -A | A | |
| $\chi_{46}^{(37)}$ | B | -1 | 1 | 1 | -1 | -/B | /B | /B | -/B | -1 | 1 | 1 | -1 | B | -B | -/B | /B | B | -B | /B | -/B | /B | -/B | -A | A | |
| $\chi_{46}^{(38)}$ | -B | -1 | 1 | 1 | -1 | /B | -/B | -/B | /B | -1 | 1 | 1 | -1 | -B | B | /B | -/B | -B | B | -/B | /B | -/B | /B | -A | A | |
| $\chi_{46}^{(39)}$ | -/B | -1 | 1 | 1 | -1 | B | -B | -B | B | -1 | 1 | 1 | -1 | -/B | /B | B | -B | -/B | /B | -B | B | -B | B | A | -A | |
| $\chi_{46}^{(40)}$ | /B | -1 | 1 | 1 | -1 | -B | B | B | -B | -1 | 1 | 1 | -1 | /B | -/B | -B | B | /B | -/B | B | -B | B | -B | A | -A | |
| $\chi_{46}^{(41)}$ | -A | 1 | 1 | 1 | 1 | -A | -A | A | A | -1 | -1 | -1 | -1 | A | A | A | A | -A | -A | -A | -A | A | A | -1 | -1 | |
| $\chi_{46}^{(42)}$ | A | 1 | 1 | 1 | 1 | A | A | -A | -A | -1 | -1 | -1 | -1 | -A | -A | -A | -A | A | A | A | A | -A | -A | -1 | -1 | |
| $\chi_{46}^{(43)}$ | A | 1 | 1 | -1 | -1 | A | A | A | A | -1 | -1 | 1 | 1 | A | A | -A | -A | -A | -A | A | A | -A | -A | 1 | 1 | |
| $\chi_{46}^{(44)}$ | -A | 1 | 1 | -1 | -1 | -A | -A | -A | -A | -1 | -1 | 1 | 1 | -A | -A | A | A | A | A | -A | -A | A | A | 1 | 1 | |
| $\chi_{46}^{(45)}$ | B | -1 | -1 | -1 | -1 | -/B | -/B | /B | /B | 1 | 1 | 1 | 1 | -B | -B | /B | /B | B | B | /B | /B | -/B | -/B | A | A | |
| $\chi_{46}^{(46)}$ | -B | -1 | -1 | -1 | -1 | /B | /B | -/B | -/B | 1 | 1 | 1 | 1 | B | B | -/B | -/B | -B | -B | -/B | -/B | /B | /B | A | A | |
| $\chi_{46}^{(47)}$ | -/B | -1 | -1 | -1 | -1 | B | B | -B | -B | 1 | 1 | 1 | 1 | /B | /B | -B | -B | -/B | -/B | -B | -B | B | B | -A | -A | |
| $\chi_{46}^{(48)}$ | /B | -1 | -1 | -1 | -1 | -B | -B | B | B | 1 | 1 | 1 | 1 | -/B | -/B | B | B | /B | /B | B | B | -B | -B | -A | -A | |
| $\chi_{46}^{(49)}$ | -B | -1 | -1 | 1 | 1 | /B | /B | /B | /B | 1 | 1 | -1 | -1 | -B | -B | -/B | -/B | B | B | -/B | -/B | /B | /B | -A | -A | |
| $\chi_{46}^{(50)}$ | B | -1 | -1 | 1 | 1 | -/B | -/B | -/B | -/B | 1 | 1 | -1 | -1 | B | B | /B | /B | -B | -B | /B | /B | -/B | -/B | -A | -A | |
| $\chi_{46}^{(51)}$ | /B | -1 | -1 | 1 | 1 | -B | -B | -B | -B | 1 | 1 | -1 | -1 | /B | /B | B | B | -/B | -/B | B | B | -B | -B | A | A | |
| $\chi_{46}^{(52)}$ | -/B | -1 | -1 | 1 | 1 | B | B | B | B | 1 | 1 | -1 | -1 | -/B | -/B | -B | -B | /B | /B | -B | -B | B | B | A | A | |
| $\chi_{46}^{(53)}$ | -A | 1 | 1 | 1 | 1 | A | A | A | A | 1 | 1 | 1 | 1 | -A | -A | A | A | -A | -A | A | A | A | A | -1 | -1 | |
| $\chi_{46}^{(54)}$ | A | 1 | 1 | 1 | 1 | -A | -A | -A | -A | 1 | 1 | 1 | 1 | A | A | -A | -A | A | A | -A | -A | -A | -A | -1 | -1 | |
| $\chi_{46}^{(55)}$ | A | 1 | 1 | -1 | -1 | -A | -A | A | A | 1 | 1 | -1 | -1 | -A | -A | -A | -A | -A | -A | -A | -A | -A | -A | 1 | 1 | |
| $\chi_{46}^{(56)}$ | -A | 1 | 1 | -1 | -1 | A | A | -A | -A | 1 | 1 | -1 | -1 | A | A | A | A | A | A | A | A | A | A | 1 | 1 | |
| $\chi_{46}^{(57)}$ | B | -1 | -1 | -1 | -1 | /B | /B | /B | /B | -1 | -1 | -1 | -1 | B | B | /B | /B | B | B | -/B | -/B | -/B | -/B | A | A | |
| $\chi_{46}^{(58)}$ | -B | -1 | -1 | -1 | -1 | -/B | -/B | -/B | -/B | -1 | -1 | -1 | -1 | -B | -B | -/B | -/B | -B | -B | /B | /B | /B | /B | A | A | |
| $\chi_{46}^{(59)}$ | -/B | -1 | -1 | -1 | -1 | -B | -B | -B | -B | -1 | -1 | -1 | -1 | -/B | -/B | -B | -B | -/B | -/B | B | B | B | B | -A | -A | |
| $\chi_{46}^{(60)}$ | /B | -1 | -1 | -1 | -1 | B | B | B | B | -1 | -1 | -1 | -1 | /B | /B | B | B | /B | /B | -B | -B | -B | -B | -A | -A | |
| $\chi_{46}^{(61)}$ | -B | -1 | -1 | 1 | 1 | -/B | -/B | /B | /B | -1 | -1 | 1 | 1 | B | B | -/B | -/B | B | B | /B | /B | /B | /B | -A | -A | |
| $\chi_{46}^{(62)}$ | B | -1 | -1 | 1 | 1 | /B | /B | -/B | -/B | -1 | -1 | 1 | 1 | -B | -B | /B | /B | -B | -B | -/B | -/B | -/B | -/B | -A | -A | |
| $\chi_{46}^{(63)}$ | /B | -1 | -1 | 1 | 1 | B | B | -B | -B | -1 | -1 | 1 | 1 | -/B | -/B | B | B | -/B | -/B | -B | -B | -B | -B | A | A | |
| $\chi_{46}^{(64)}$ | -/B | -1 | -1 | 1 | 1 | -B | -B | B | B | -1 | -1 | 1 | 1 | /B | /B | -B | -B | /B | /B | B | B | B | B | A | A | |

| | 10 | | | | | | | | | | | | |
|--------------------|-----|-----|----|----|----|----|-----|-----|----|----|----|----|----|
| $\chi_{46}^{(1)}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(2)}$ | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{46}^{(3)}$ | 1 | -1 | -1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{46}^{(4)}$ | 1 | -1 | 1 | -1 | -1 | 1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{46}^{(5)}$ | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 |
| $\chi_{46}^{(6)}$ | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(7)}$ | -1 | 1 | -1 | -1 | -1 | 1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(8)}$ | -1 | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(9)}$ | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 |
| $\chi_{46}^{(10)}$ | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(11)}$ | 1 | 1 | -1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(12)}$ | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(13)}$ | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 | -1 | 1 | 1 | -1 |
| $\chi_{46}^{(14)}$ | 1 | 1 | -1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(15)}$ | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(16)}$ | -1 | -1 | 1 | 1 | 1 | 1 | -1 | -1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_{46}^{(17)}$ | A | -A | -1 | -1 | 1 | -1 | -A | A | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(18)}$ | -A | A | -1 | -1 | 1 | -1 | A | -A | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(19)}$ | -A | A | 1 | -1 | -1 | 1 | A | -A | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(20)}$ | A | -A | 1 | -1 | -1 | 1 | -A | A | -1 | 1 | -1 | 1 | -1 |
| $\chi_{46}^{(21)}$ | B | -B | -A | -1 | -A | A | -B | B | -1 | 1 | -A | A | -A |
| $\chi_{46}^{(22)}$ | -B | B | -A | -1 | -A | A | B | -B | -1 | 1 | -A | A | -A |
| $\chi_{46}^{(23)}$ | -/B | /B | A | -1 | A | -A | /B | -/B | -1 | 1 | A | -A | -A |
| $\chi_{46}^{(24)}$ | /B | -/B | A | -1 | A | -A | -/B | /B | -1 | 1 | A | -A | -A |
| $\chi_{46}^{(25)}$ | -B | B | A | -1 | A | -A | B | -B | -1 | 1 | -A | A | -A |
| $\chi_{46}^{(26)}$ | B | -B | A | -1 | A | -A | -B | B | -1 | 1 | -A | A | -A |
| $\chi_{46}^{(27)}$ | /B | -/B | -A | -1 | -A | A | -/B | /B | -1 | 1 | A | -A | -A |
| $\chi_{46}^{(28)}$ | -/B | /B | -A | -1 | -A | A | /B | -/B | -1 | 1 | A | -A | -A |
| $\chi_{46}^{(29)}$ | -A | A | -1 | -1 | -1 | 1 | -A | A | 1 | -1 | -1 | 1 | -1 |
| $\chi_{46}^{(30)}$ | A | -A | -1 | -1 | -1 | 1 | A | -A | 1 | -1 | -1 | 1 | -1 |
| $\chi_{46}^{(31)}$ | A | -A | 1 | -1 | 1 | -1 | A | -A | 1 | -1 | -1 | 1 | -1 |
| $\chi_{46}^{(32)}$ | -A | A | 1 | -1 | 1 | -1 | -A | A | 1 | -1 | -1 | 1 | -1 |
| $\chi_{46}^{(33)}$ | -B | B | -A | -1 | A | -A | -B | B | 1 | -1 | -A | A | -A |
| $\chi_{46}^{(34)}$ | B | -B | -A | -1 | A | -A | B | -B | 1 | -1 | -A | A | -A |
| $\chi_{46}^{(35)}$ | /B | -/B | A | -1 | -A | A | /B | -/B | 1 | -1 | A | -A | -A |
| $\chi_{46}^{(36)}$ | -/B | /B | A | -1 | -A | A | -/B | /B | 1 | -1 | A | -A | -A |
| $\chi_{46}^{(37)}$ | B | -B | A | -1 | -A | A | B | -B | 1 | -1 | -A | A | -A |
| $\chi_{46}^{(38)}$ | -B | B | A | -1 | -A | A | -B | B | 1 | -1 | -A | A | -A |
| $\chi_{46}^{(39)}$ | -/B | /B | -A | -1 | A | -A | -/B | /B | 1 | -1 | A | -A | -A |
| $\chi_{46}^{(40)}$ | /B | -/B | -A | -1 | A | -A | /B | -/B | 1 | -1 | A | -A | -A |
| $\chi_{46}^{(41)}$ | A | A | -1 | 1 | 1 | 1 | -A | -A | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(42)}$ | -A | -A | -1 | 1 | 1 | 1 | A | A | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(43)}$ | -A | -A | 1 | 1 | -1 | -1 | A | A | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(44)}$ | A | A | 1 | 1 | -1 | -1 | -A | -A | -1 | -1 | -1 | 1 | 1 |
| $\chi_{46}^{(45)}$ | B | B | -A | 1 | -A | -A | -B | -B | -1 | -1 | -A | A | A |

| | 10 | | | | | | | | | | | | |
|--------------------|-----|-----|----|---|----|----|-----|-----|----|----|----|----|----|
| $\chi_{46}^{(46)}$ | -B | -B | -A | 1 | -A | -A | B | B | -1 | -1 | -A | -A | A |
| $\chi_{46}^{(47)}$ | -/B | -/B | A | 1 | A | A | /B | /B | -1 | -1 | A | A | -A |
| $\chi_{46}^{(48)}$ | /B | /B | A | 1 | A | A | -/B | -/B | -1 | -1 | A | A | -A |
| $\chi_{46}^{(49)}$ | -B | -B | A | 1 | A | A | B | B | -1 | -1 | -A | -A | A |
| $\chi_{46}^{(50)}$ | B | B | A | 1 | A | A | -B | -B | -1 | -1 | -A | -A | A |
| $\chi_{46}^{(51)}$ | /B | /B | -A | 1 | -A | -A | -/B | -/B | -1 | -1 | A | A | -A |
| $\chi_{46}^{(52)}$ | -/B | -/B | -A | 1 | -A | -A | /B | /B | -1 | -1 | A | A | -A |
| $\chi_{46}^{(53)}$ | -A | -A | -1 | 1 | -1 | -1 | -A | -A | 1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(54)}$ | A | A | -1 | 1 | -1 | -1 | A | A | 1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(55)}$ | A | A | 1 | 1 | 1 | 1 | A | A | 1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(56)}$ | -A | -A | 1 | 1 | 1 | 1 | -A | -A | 1 | 1 | -1 | -1 | -1 |
| $\chi_{46}^{(57)}$ | -B | -B | -A | 1 | A | A | -B | -B | 1 | 1 | -A | -A | -A |
| $\chi_{46}^{(58)}$ | B | B | -A | 1 | A | A | B | B | 1 | 1 | -A | -A | -A |
| $\chi_{46}^{(59)}$ | /B | /B | A | 1 | -A | -A | /B | /B | 1 | 1 | A | A | A |
| $\chi_{46}^{(60)}$ | -/B | -/B | A | 1 | -A | -A | -/B | -/B | 1 | 1 | A | A | A |
| $\chi_{46}^{(61)}$ | B | B | A | 1 | -A | -A | B | B | 1 | 1 | -A | -A | -A |
| $\chi_{46}^{(62)}$ | -B | -B | A | 1 | -A | -A | -B | -B | 1 | 1 | -A | -A | -A |
| $\chi_{46}^{(63)}$ | -/B | -/B | -A | 1 | A | A | -/B | -/B | 1 | 1 | A | A | A |
| $\chi_{46}^{(64)}$ | /B | /B | -A | 1 | A | A | /B | /B | 1 | 1 | A | A | A |

where $A = -E(4) = -ER(-1) = -i$, $B = -E(8)^3$.

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